



IP601 – THOROUGH EXAMINATION AND TESTING OF LOCAL EXHAUST VENTILATION SYSTEMS

25 – 28 NOV | PERTH

ABOUT AIOH

The Australian Institute of Occupational Hygienists Inc. (AIOH) is the association that represents professional occupational hygienists in Australia. The AIOH is the largest occupational hygiene society in Australia and the only professional society representing qualified occupational hygienists in Australia.

COURSE BACKGROUND

British Occupational Hygiene Society's' LEV qualifications ensure that candidates have the skills and knowledge required to design, test, commission and maintain LEV systems. IP601 - Thorough Examination and Testing of Local Exhaust Ventilation Systems gives candidates a practical and theoretical understanding of best control practice for hazardous substances, the role of local exhaust ventilation (LEV) in this regard, and how to test and maintain LEV systems to a standard which reduces occupational ill health.

COURSE OBJECTIVE

To provide candidates with the theoretical and practical knowledge and skills for thorough testing and examining local exhaust ventilation systems, ensure that they are performing to a high standard which reduces occupational ill health.

WHO SHOULD ATTEND

This qualification is suitable for anyone who is responsible for testing and maintaining LEV systems.

- LEV engineers (e.g. TExT/commissioning engineers).
- Maintenance managers.
- LEV system designers.
- Installation contractors.
- Occupational hygienists.
- Health and safety practitioners and managers.
- The designated 'LEV lead' within a company. It may also be suitable for those who wish to progress into these job roles.

ENTRY REQUIREMENTS

Candidates are required to:

- Have a basic understanding of the measurement instruments, system components and visualisation techniques used for testing LEV equipment.
- Have a basic understanding of the mathematical calculations used in LEV testing.
- Be familiar with the contents of HSG258: Controlling Airborne Contaminants at Work.

SUBJECT AREAS

- Workplace control principles.
- Health and safety during examination and testing of LEV Systems.
- Ventilation systems and their performance evaluation.
- Writing workplace reports.
- Practical work.

LEARNING OUTCOMES

WORKPLACE CONTROL PRINCIPLES

The student should:

- Gain a practical, theoretical and technical understanding of the complex nature of exposures in the workplace.
- Fully appreciate the basic principles of workplace control.
- Understand the type of approach that is required for successful implementation of a control programme.
- Be able to relate the outcome of a risk assessment to selection of control options.

HEALTH AND SAFETY DURING EXAMINATION AND TESTING OF LEV SYSTEMS

The student must be able to make an assessment of any relevant risks to their own health and safety, and how their actions might affect the safety of others in relation to ventilation systems.

VENTILATION SYSTEMS AND THEIR PERFORMANCE EVALUATION

The student should:

- Gain a theoretical and practical understanding of ventilation system design principles.
- Understand the differences between general and local exhaust systems in terms of application and performance.
- Be able to identify (and adapt where appropriate) the measurements to check the effectiveness of the ventilation system.
- Be able to identify when air sampling is required to determine whether adequate control is being achieved.
- Carry out appropriate measurements to assess the effectiveness of an existing system which has not been commissioned properly, and be fully responsible for documenting the results.

PRACTICAL WORK

The student should:

- Have a practical, theoretical and technical understanding of the principles behind the operation of ventilation systems.
- Understand how to use testing equipment (such as smoke detectors and dust lamps) to achieve results.
- Be able to carry out measurements and interpret the results to check the effectiveness of each individual system.
- Be able to produce technically useful data.
- Understand the limitations of this approach to controlling hazardous substances, and of the crucial importance of the design element at the interface with the worker.

REPORTING AND DOCUMENTATION

The candidate should have the practical and theoretical understanding of thorough examination and testing of local exhaust ventilation systems, in order to formally report the measurement and assessment findings.

COURSE STRUCTURE

The IP601 course is conducted over four days, which comprises a minimum of 24 hours of learning time. This includes 18 hours teaching time and 6 hours independent study (in the candidate's own time).

HOW DO CANDIDATES PASS IT

Candidates must pass four parts within 3 months of the date they passed the IP601 Written Theory and Written Practical examinations:

- Formative Practical Assessment.
- Written Theory examination.
- Written Practical examination.
- Two workplace report submissions.

CERTIFICATION

Candidates who pass all four components within 12 months will be awarded a Proficiency Certificate in IP601 - Thorough Examination and Testing of Local Exhaust Ventilation.

COURSE COST

Registration fee is \$2,100 exc GST.
Registration fee includes:

- Presenter fee;
- Handouts;
- Practicals;
- Exam free;
- Certificate of attendance;
- Satchel and promotional material; and
- Day catering for four days.

COURSE DATES

The course will be held at Edith Cowan University Joondalup campus from Monday 25 November to Thursday 28 November 2019. The course will conclude on 28 November with the exams at 3pm.

REGISTER

For more information about the course and to register please go to AIOH.ORG.AU/EVENTS. Any enquiries please contact conference@aioh.org.au.