
Level 3 Award in Asbestos Air Monitoring and Clearance Procedures

(HSG248 – Sampling, Analysis and Clearance Procedures)

November 2021

Guided Learning 30 hours
Total Qualification Time 91 hours

Ofqual Qualification Number 601/8256/6

Description

The *Control of Asbestos Regulations* imposes duties relating to air testing and the cleanliness of asbestos enclosures and work areas. There is thus a need for analysts and similar specialists to have the knowledge to inspect and test asbestos works that have been carried out to ensure they meet the correct standards required by HSG248. The objective of this qualification is to provide learners with this knowledge to enable them to carry out inspection and testing.

Possession of this qualification by staff will help organisations and companies meet the accreditation criteria for ISO 17025 (testing bodies).

The qualification consists of four units:

Unit One: Asbestos types, uses, health effects and legislation

**Unit Two: Theory of air sampling, fibre counting and clearance
procedures for asbestos analysts/ project managers**

**Unit Three: Practical air sampling, fibre counting and clearance
procedures for asbestos analysts**

Unit Four: Use of decontamination units and Class H vacuum cleaners

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Unit One: Asbestos Types, Uses, Health Effects & Legislation

Guided Learning: 4 hours

Total Unit Time: 7 hours

Unit Level: 3

Unit Reference No. R/507/9967

Summary of Learning Outcomes:

To achieve this unit a candidate must:

- 1. Understand the health risks, uses and properties of asbestos,, by being able to meet the following assessment criteria:**
 - 1.1 State the properties and characteristics of different types of asbestos.
 - 1.2 Review the types and uses of asbestos containing products.
 - 1.3 Review the risks to health from asbestos exposures.

- 2. Know legislation relating to asbestos, by being able to meet the following assessment criteria:**
 - 2.1 Summarise appropriate legislation relating to the control and use of asbestos.

Unit Two: Theory of air sampling, fibre counting and clearance procedures for asbestos analysts / project managers

Guided Learning: 11 hours

Total Unit Time: 21 hours

Unit Level: 3

Unit Reference No. Y/507/9971

Summary of Learning Outcomes:

To achieve this unit a candidate must:

- 1. Know procedures for the management of risk in relation to asbestos removal / abatement, by being able to meet the following assessment criteria:**
 - 1.1 Outline the purpose of method statements and risk assessments and the requirements of training and site information.
 - 1.2 Describe decontamination procedures.
 - 1.3 Describe asbestos removal and waste management procedures.
 - 1.4 Outline health and safety procedures for reducing the risk from asbestos.

- 2. Understand the theory of asbestos fibre counting and air sampling, by being able to meet the following assessment criteria:**
 - 2.1 Outline procedures for asbestos fibre counting
 - 2.2 Outline procedures for asbestos air sampling.

- 3. Know procedures relating to asbestos clearance, by being able to meet the following assessment criteria:**
 - 3.1 State the requirements for clearances.
 - 3.2 Outline procedures for reoccupation of a site following asbestos removal.

Unit Three: Practical, fibre counting, air sampling and clearance procedures for asbestos analysts

Guided Learning: 11 hours

Total Unit Time: 56 hours

Unit Level: 3

Unit Reference No. D/507/9970

Summary of Learning Outcomes:

To achieve this unit a candidate must:

- 1. Carry out asbestos fibre counting and air sampling, *by being able to meet the following assessment criteria:***
 - 1.1 Set up asbestos fibre slides and count fibres using phase contrast microscopy to RICE category B performance.
 - 1.2 Use asbestos air sampling equipment appropriately.

- 2. Carry out clearance procedures, *by being able to meet the following assessment criteria:***
 - 2.1 Inspect asbestos sites and enclosures.
 - 2.2 Assess an asbestos removal site prior to reoccupation.

Unit Four: Use of Decontamination Units and Class H vacuum cleaners during Asbestos Surveys

Guided Learning: 4 hours

Total Unit Time: 7 hours

Unit Level: 3

Unit Reference No. R/507/9970

Summary of Learning Outcomes:

To achieve this qualification a candidate must:

- 1. Understand decontamination requirements and use of related equipment, by being able to meet the following assessment criteria:**
 - 1.1 Set up, use and maintain decontamination units.
 - 1.2 Set up, use and maintain H type vacuum cleaners.

Assessment:

Attainment of the Learning Outcomes for Units 1 and 2 will be assessed by a written examination

The examination paper will be divided into two sections, one section for each unit. A candidate who is able to satisfy the learning outcomes must achieve a score of at least 60% for **EACH** unit in the examination.

Attainment of the Learning Outcomes for Units 3 and 4 will be assessed by a practical examination which will include tasks for each of the assessment criteria for these units, and oral questioning during the practical. RICE slides must be used for the assessment of fibre counting.

Written and practical examinations will be set and marked by the centre and will be externally verified by RSPH.

In order to be awarded the certificate candidates must achieve the learning outcomes for all units.

Guidance:

Recommended Reading & Additional Reading	Qualification				
	Analyst	Surveyor	Project Manager	Dutyholder	Bulk Analysis
Asbestos - The Analyst's Guide for Sampling, Analysis and Clearance Procedures (HSG248) HSE 2005	✓	✓	✓	✓	✓
HSG247 Asbestos: The Licensed Contractors Guide HSE 2006	✓		✓	✓	
Asbestos and Man-Made Mineral Fibres In Buildings. Practical Guidance Thomas Telford 1999		✓			
Asbestos Essentials - Task Manual Task guidance sheets for the building, maintenance and allied trades. (HSG 210) HSE 2012	✓		✓	✓	
Introduction to Asbestos Essentials comprehensive guidance on working with asbestos in the building maintenance and allied trades. (HSG 213) HSE 2001	✓		✓	✓	
HSG264 Asbestos: The Survey Guide HSE 2012		✓		✓	
HSG189/2 Working with asbestos cement HSE 1999	✓		✓	✓	
Work with Materials containing Asbestos, Approved Code of Practice (L143) HSE 2006	✓	✓	✓	✓	✓
HSG53 The selection use and maintenance of respiratory protective equipment HSE 1998	✓	✓	✓		
MDHS59 Man-made mineral fibre by phase contrast light microscopy HSE 1988	✓		✓		
Lab 30 – Application of ISO/IEC 17025 for Asbestos Sampling and Testing Edition 2 2008			✓		
RG8 - Accreditation of Bodies Surveying for Asbestos in Premises Edition 2 2008		✓			
Asbestos for Surveyors (W. Sanderson) Estate Gazettes 2 nd edition (2007)		✓			
A Comprehensive Guide to Managing Asbestos in remises (HSG 227) HSE 2002		✓		✓	
Asbestos: RICS Guidance Note: Implications for members and their clients. RICS Books 2003				✓	
The Management of Asbestos in Non-Domestic Premises (L127) HSE 2006		✓		✓	
Managing health and safety in construction; Construction (Design and Management) Regulations 2007; ACOP & Guidance, (L144) HSE 2007			✓	✓	
How Are You Managing? - Dealing with the Risks of Asbestos in Buildings (DVD)				✓	
Managing Asbestos in Buildings: A Brief Guide. INDG223 HSE 2012		✓		✓	
Hazardous Waste Regulations 2005	✓		✓	✓	

Note that many of the HSE publications are available as free downloads from the HSE web-site at <http://www.hse.gov.uk/pubns/books/index-catalogue.htm>

The following web-sites also have useful information:

Asbestos Testing and Consultancy Association www.atac.org.uk

Asbestos Removal Contractors Association www.arca.org.uk

Health and Safety Executive www.hse.gov.uk

Royal Institution of Chartered Surveyors www.rics.org.uk

Progression:

Learners who achieve this qualification can progress to the:

RSPH Level 4 Certificate in Asbestos Laboratory and Project Management

Special Assessment Needs:

Centres that have candidates with special assessment needs should consult The Society's Reasonable Adjustments and Special Consideration Policy; this is available from RSPH and the RSPH web site (www.rsph.org.uk).

National Occupational Standards:

The qualification has been mapped to the following National Occupational Standards of Construction Skills:

COSAO16 Carry out asbestos air monitoring testing
COSAO17 Carry out asbestos clearance testing

Further details of these National Occupational Standards can be obtained from RSPH Qualifications.

Recommended Qualifications and Experience of Tutors:

The Society would expect that tutors have teaching experience and a qualification in a relevant subject area, but recognises that experienced teachers can often compensate for a lack of initial subject knowledge, or experienced practitioners for a lack of teaching experience.

The Society recommends that centres utilise a team of tutors in the delivery of this qualification, and that at least one tutor has suitable practical experience in the conduct of asbestos surveys and/or building surveys within the previous five years.

Other Information:

All RSPH specifications are subject to review. Any changes to the assessment or learning outcomes will be notified to Centres in advance of their introduction. To check the currency of this version of the specification, please contact the Qualifications Department or consult the RSPH website.

Centres must be registered with RSPH.

Any enquiries about this qualification should be made to:

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