SIAS Qualification Specification

SIAS Level 2 Award in Process Safety Awareness

Qualification Number: 610/4748/X

Operational Start Date: 1st October 2024

Contents

Version History

This is a live document and as such will be updated when required. It is the responsibility of the approved centre to ensure the most up-to-date version of the Qualification Specification is in use.

Version	Date	Comments
1.0	19/09/2024	First published

Introduction

Welcome to SIAS

SIAS is an Awarding Organisation regulated in England by the Office of Qualifications and Examinations Regulation (Ofqual) and in Northern Ireland by the Council for Curriculum, Examination and Assessment Regulation (CCEA).

We exist to drive positive change, and across STEM industries globally, we empower learners to achieve their full potential.

As the leading Awarding Organisation for the technical science, manufacturing, engineering and low carbon sectors, we are disrupting through innovative and collaborative approaches.

Our mission is to deliver transformational experiences and solutions that support the skills agenda.

Feedback

Customer experience and feedback is very important to us. We're always open to suggestions when it comes to enhancing and improving our services. If you have any comments or feedback on our services or products, please contact our team at info@siasuk.com or call us on 01925 515211.

About this Specification

This document has been developed to provide information for learners and centres undertaking, delivering or quality assuring this qualification.

Centre Recognition and Qualification Approval

To deliver this qualification, the centre must be recognised by SIAS.

Recognised centres must apply for approval for each qualification they intend to offer. Qualification approval must be obtained prior to conducting any learner assessments.

For details of our centre recognition and qualification approval process, visit our website or contact us at info@siasuk.com.

About this Qualification

Key Facts

Qualification Title	SIAS Level 2 Award in Process Safety Awareness
Qualification Number	610/4748/X
Guided Learning Hours (GLH)	7
Total Qualification Time (TQT)	10
Assessment Methods	Multiple-Choice Question Examination
Operational Start Date	1 October 2024
Review Date	30 September 2027
Operational End Date	-
Certification End Date	-
Regulation	This qualification is regulated by Ofqual

Qualification Objective

The SIAS Level 2 Award in Process Safety Awareness is designed to develop the learner's knowledge and understanding in the basic principles of process safety. The qualification is aimed at apprentices and non-technical staff working within the high hazard industries, it is also suitable for new staff or contractors working on high hazard sites. Following completion of the qualification, the learner will have a clear understanding of the basic principles of process safety.

Entry Requirements

This qualification is recommended to learners aged 16+.

There are no formal entry requirements for the SIAS Level 2 Award in Process Safety Awareness. However, learners should have a basic understanding of English and mathematics. Centres should also ensure learners are able to complete this qualification, for example, through completing an initial assessment to ensure they can work at the appropriate level.

Recognition of Prior Learning

Recognition of Prior Learning (RPL) is the process of recognising previous, informal or experiential learning which could contribute to a qualification or unit. SIAS supports the use of RPL, and centres must work to the principles included in the SIAS RPL Policy which is available on the SIAS website. This policy should be reviewed alongside this specification and all other relevant SIAS qualification documentation.

Qualification Structure

To be awarded the SIAS Level 2 Award in Process Safety Awareness learners must achieve the following.

- The 1 mandatory unit listed below:

Ofqual Unit reference	Unit title	Level	GLH	TQT
Y/651/3245	Fundamentals of Process Safety Awareness	2	7	10
TOTAL			**7**	**10**

Total Qualification Time (TQT) and Guided Learning Hours (GLH)

Note: Values for Total Qualification Time, including Guided Learning Hours, are calculated by considering the different activities that learners would typically complete to achieve and demonstrate the learning outcomes of a qualification. They do not include activities which are required by a learner's teacher based on the requirements of an individual learner and/or cohort. Individual learners' requirements and individual teaching styles mean there will be variation in the actual time taken to complete a qualification. Values for Total Qualification Time, including Guided Learning, are estimates.

Some examples of activities which can contribute to Total Qualification Time include:

- Independent and unsupervised research/learning
- Unsupervised compilation of a portfolio of work experience
- Unsupervised e-learning
- Unsupervised e-assessment practice
- Unsupervised coursework
- Watching a pre-recorded podcast or webinar
- Unsupervised work-based learning
- All Guided Learning

Some examples of activities which can contribute to Guided Learning include:

- Classroom-based learning supervised by a teacher
- Work-based learning supervised by a teacher
- Live webinar or telephone tutorial with a teacher in real time
- E-learning supervised by a teacher in real time
- All forms of assessment which take place under the immediate guidance or supervision of a lecturer, supervisor, tutor or other appropriate provider of education or training, including where the assessment is competence-based and may be turned into a learning opportunity

Grading

This qualification is graded as a pass/fail.

Delivery and Assessment

Use of Language

All learners must be assessed in English unless the qualification specification states that another language will be accepted.

Progression Opportunities

Upon successfully completing this qualification, learners may wish to progress into further development and training within process safety.

Assessment Guidance

All SIAS assessments will be accessible and produce results that are valid, reliable, transparent and fair.

The SIAS Level 2 Award in Process Safety Awareness contains 1 mandatory knowledge unit.

To achieve the qualification, learners must successfully pass:

Unit Title	Assessment Method	Set by	Marked by
Fundamentals of Process Safety Awareness	Externally set and marked multiple-choice question examination	SIAS	SIAS

The assessments are available on demand through the SIAS online assessment platform. For any queries, please contact us at info@siasuk.com.

The assessments must be undertaken in controlled conditions. This means:

- learners must complete the assessment unaided
- books and other training aids must not be accessed by the learners

Learners who fail to achieve a pass will be permitted to retake the assessment. Learners may only seek a resit for any previously failed assessment.

Centres should have systems in place to verify a learner is ready to undertake their assessment.

Centres must ensure that no part of the assessment of a learner including internal quality assurance and invigilation, is conducted by anyone with a personal interest in the assessment outcome.

Documentation to support the qualification assessment process can be accessed from the SIAS Pinacle system.

Centre Requirements

All SIAS centres must be approved by SIAS to deliver they qualification(s) they wish to offer. This is to ensure centres have the processes and resources in place to deliver the qualification(s). Further information can be found in the SIAS Centre Handbook.

When a centre applies to offer a qualification, they will need to provide evidence that they have sufficient resources and infrastructure in place for delivery of that qualification:

- evidence of staff competence and knowledge
- details of available resources

Information regarding the induction and continuing professional development must be made available to SIAS by centres through the external quality assurance process.

Tutor/Trainer requirements

For the SIAS Level 2 Award in Process Safety Awareness, tutors/trainers are required to demonstrate they:

- have relevant occupational knowledge and competence in process safety management

- hold a recognised education and training qualification or equivalent training experience

- have completed recent, relevant CPD activities for the subject area

Evidence includes:

- CV and relevant occupational qualifications and experience demonstrating knowledge and experience in process safety management

- Level 3 Award in Education and Training or equivalent, including Preparing to Teach in the Lifelong Sector (PTLLS), CertEd/PGCE, L4 Certificate in Education and Training, L5 Diploma in Education and Training

- Up-to-date CPD Record including certification from any courses attended demonstrating suitable knowledge and experience in process safety management

Tutors/trainers delivering the SIAS Level 2 Award in Process Safety Awareness must show that they have the necessary experience, knowledge and understanding in process safety management. SIAS requires sufficient information about a tutor/trainer's occupational competence for consideration in the approval process. Approved centres will be required to provide SIAS with current evidence of how each tutor/trainer meet these requirements.

Continuing Professional Development (CPD)

Centres are expected to support their staff, ensuring that their subject knowledge remains current and is up to date with best practice in delivery, assessment and quality assurance.

External Quality Assurance

External quality assurance will be undertaken by SIAS. Centres will be required to provide documentation and other evidence to support this process upon request. Please refer to the SIAS Centre Handbook for further details.

Equality and Diversity

Delivery of SIAS qualifications must comply with equality and diversity legislation. Learners should not experience any barriers to achievement in respect of:

- Age
- Disability
- Gender
- Gender reassignment
- Marriage and civil partnerships
- Pregnancy and maternity
- Race
- Religion and belief
- Sexual orientation

Reasonable Adjustments

All learners must be treated fairly and equally and be provided with every opportunity to achieve our qualification(s). For more information or guidance, please refer to the SIAS Reasonable Adjustments Policy available on our website.

Health and Safety

SIAS are committed to ensuring the safety and wellbeing of learners. Due to the nature of some of the sectors SIAS work in, there can be a high level of risk which we expect centres to manage effectively. Centres must take appropriate measures to assess and manage these risks and implement procedures so that qualifications are delivered safely, minimising risks to learners and those involved in the assessment process as much as possible. Working environments must comply with all required health and safety standards.

Qualification Content

Unit 1: Fundamentals of Process Safety Awareness

Unit Reference	Y/651/3245
Level	2
GLH	7
Aim	This unit introduces the fundamentals of process safety awareness, including process safety control measures, risk identification measures, the consequences of poor process safety, the role of emergency response and mitigation measures.
Assessment Methodology	Multiple-Choice Examination

Learning Outcomes *The learner will:*		Assessment Criteria *The learner can:*
1. Know the basics of health and safety legislation in high hazard industries.	1.1	Identify health and safety legislation in relation to high hazard industries.
2. Understand the principles of process safety and control measures used in high hazard industries.	2.1	State the principles of process safety.
	2.2	Identify control measures used in high hazard industries.
	2.3	Identify process safety barriers.
	2.4	Identify how to maintain strong process safety barriers.
	2.5	Identify how the principles of process safety fits in with occupational safety.
3. Know hazard and risk identification measures used in high hazard industries.	3.1	Identify the hazard and risk identification measures used in high hazard industries.
4. Know the consequences of poor process safety in high hazard industries.	4.1	Identify poor practices of process safety in high hazard industries.
	4.2	Identify the consequences of poor process safety in high hazard industries.
5. Understand the role of emergency response in process safety management.	5.1	Outline the role of emergency response in process safety management.

| 6. Know what mitigation is and the available mitigation measures used in process safety. | 6.1 | Outline the concept of mitigation in relation to process safety. |
| | 6.2 | Identify mitigation measures used in process safety management. |

Resources

SIAS provides the following additional resources for this qualification:

- Centre Qualification Guide

- Qualification Learner Logbook

- Sample Assessment Material

- Externally Set Assessments

Please see below examples of sample assessment questions:

Sample Question 1
What do the letters in COSHH stand for?
A.   Control of Substances Hazardous to Health
B.   Control of Substances Harmful to Health
C.   Containment of Substances Hazardous to Health
D.   Containment of Substances Harmful to Health

Sample Question 2
Which of the following is a key component of an effective emergency response plan?
A.   Regular emergency drills
B.   Keeping procedures confidential
C.   Increasing production during emergencies
D.   Reducing the number of trained responders

Further Information

For information about SIAS and general enquiries please see our website: www.siasuk.com
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