

BRITSAFE LEVEL 1

AWARD IN IMPLEMENTING ELECTRO-SENSITIVE PROTECTIVE EQUIPMENT IN MACHINERY

108/5314/1



Introduction:

The Britsafe Level 1 Award in Implementing Electro-sensitive Protective Equipment in Machinery is a purpose-built qualification designed to equip learners with the essential understanding required to deploy non-contact safeguarding devices within industrial machinery environments. With the increasing reliance on optical, pressure-sensitive, and light curtain systems to manage human-machine interface risks, this course focuses on the correct selection, installation, and maintenance of electro-sensitive protective equipment (ESPE) in compliance with prevailing machinery safety regulations. Intended for maintenance teams, safety integrators, and technical personnel responsible for safeguarding systems, the course explores real-world operational risks, fail-safe design principles, and performance level requirements under regulatory frameworks such as PUWER and relevant EN ISO standards. Learners gain valuable insight into functional safety diagnostics, interlock validation, and ESPE integration into existing control systems, enhancing both compliance assurance and worker protection. Completion of this award supports professional competence in advanced safeguarding implementation and demonstrates a practical commitment to safe automation practices.

Qualification Regulation and Support:

The Britsafe Level 1 Award in Implementing Electro-sensitive Protective Equipment in Machinery has been designed and quality-assured by Britsafe™ Qualifications UK Limited. The qualification is supported through Britsafe's regulated framework and maintained under its awarding protocols.

Key facts:

Qualification Number:	108/5314/1
Minimum Contact Hours:	4
Guided Learning Hours:	4
Credit Value:	1
Credential Status:	Award
Assessment Method:	Multiple-choice examination



Qualification Overview and Objective:

The Britsafe Level 1 Award in Implementing Electro-sensitive Protective Equipment in Machinery is designed for individuals involved in machinery operation. Participants acquire knowledge and skills related to identifying risks, implementing protective equipment, and conducting testing procedures. This qualification ensures compliance with legal requirements, contributing to a safer working environment through effective implementation of electro-sensitive protective equipment in machinery.

The objective of the qualification is to:

- Understand the principles and importance of electro-sensitive protective equipment in machinery.
- Identify common risks associated with machinery operation.
- Learn effective strategies for implementing and maintaining electro-sensitive protective equipment.
- Gain knowledge of proper testing and inspection procedures.
- Demonstrate compliance with legal requirements for electro-sensitive protective equipment.

Entry Requirements:

To register for this qualification, learners are required to meet the following entry requirements:

- Must be aged 16 and over
- Participants should have a basic understanding of the English language to effectively engage with course materials and assessments.
- This course is open to individuals of all backgrounds and experience levels who have an interest in workplace health and safety.

Geographical Coverage:

This qualification is suitable for delivery in England, Northern Ireland, Wales and can be offered internationally.

Delivery/Assessment Ratios:

To effectively deliver this qualification, centres are recommended not to exceed the ratio of 1 Qualified Tutor to 12 Learners in any one instance. If centres wish to increase the recommended ratio, they must first inform your dedicated Britsafe™ accounts manager before doing so.

Centre Requirements:

To effectively deliver this qualification, centres should have the following resources in place:

- Classroom with suitable seating and desks; and
- High-quality teaching and learning resources.

Guidance on Delivery:

The total qualification time (TQT) for this qualification is 4-hours and of this 4-hours is recommended as guided learning (GL). TQT is an estimate of the total number of hours it would take an average learner to achieve and demonstrate the necessary level of attainment to be awarded with a qualification, both under direct supervision (forming Guided Learning Hours) and without supervision (all other time). TQT and GLH values are advisory and assigned to a qualification as guidance.



Guidance on Assessment:

This qualification is assessed through a multiple-choice question exam.

- Centre's must take all reasonable steps to avoid any part of the assessment of a learner (including any internal quality assurance and invigilation) being undertaken by any person who has a personal interest in the result of the assessment.
- Centres must follow Britsafe™ Examination and Invigilation Procedures. Completed examination papers are to be returned to Britsafe™ for marking or If in case of online examination; records shall be updated on EMS portal accordingly.

Guidance on Quality Assurance:

Britsafe™ requires centres to have in place a robust mechanism for internal quality assurance. Britsafe™ will support centres by conducting ongoing engagements to ensure and verify the effective and efficient delivery, quality assurance and invigilation of the qualification.

Tutor Requirements:

Britsafe™ recommends nominated tutors for this qualification meet the following requirements:

- A relevant health and safety qualification at Level 3 or higher,
- Membership of a professional body (e.g., IOSH, IIRSM) is desirable.
- Hold a relevant subject area qualification/or be occupationally competent.
- Hold a recognized teaching/training qualification (or suitable equivalent).
- Level 3 Award in Education and Training (AET) or Train The Trainer.





Office 4303,
58 Peregrine Road,
Hainault, Ilford,
Essex,
United Kingdom,
IG6 3SZ
+44 741 334 9006
info@britsafeequal.com
www.britsafeequal.com

