

L3 EPA Electrical Power Protection and Plant Commissioning Engineer



EPA Specification Section 5.1 – The Knowledge Assessment

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Contacts

This specification has been designed to provide all the advice and guidance you need to prepare yourself and your apprentices for end-point assessment. However, if you have any further questions please contact the EUIAS Help Desk using one of the following:

Help Desk email: enquiries@euias.co.uk

Help Desk telephone: 0121 713 8310

Introduction

The Knowledge Assessment consists of 20 scenario based short answer questions. The scenarios are based on the four topic areas identified below in Table 1. The test has five questions for each of these four topic areas and tests both safety critical elements and technical breadth/depth of understanding. The four topic areas are equally weighted, and each area contributes 40/160 marks.

There is one safety critical question for each of the four topic areas. Apprentices will need to provide a correct answer for all safety critical questions to achieve a pass. A correct answer is deemed to be one where the apprentice has achieved 5 out of 8 marks as a minimum.

The practice test supplied as part of this document illustrates the format and style of the assessment.

Knowledge Assessment Criteria

The criteria that are covered in the Knowledge Assessment are listed below. In each assessment, questions will cover each of the areas; not every aspect of every area will be covered in every assessment. Refer to Section 4 for amplification and guidance.

Table 1

KSB	Number of questions
TK1 a comprehensive understanding of UK electrical power systems	5
TK5 protection, control and telemetry equipment and the impact on the electrical network of its operation	5
TK8 high voltage electrical network operations and topologies	5
TK10 the application of Electricity Supply Standards, regulations and policies	5

Knowledge Assessment Grading

This component is graded as follows:

Grade	Mark
Fail	< 104 marks OR At least one safety critical question failed
Pass	104 – 143 marks Plus All safety critical questions passed
Distinction	144 - 160 marks Plus All safety critical questions passed

A pass will be a minimum of 65% and at least 2 correct answers out of the 5 for each question area.

Distinction for this element will be awarded to those with 90% or above. The outcome of the Knowledge Assessment will be submitted to the final decision panel.