

L3 EPA Engineering Construction Pipefitter



EPA Specification Section 5 – 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 endpoint 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**

Assessment Summary

The end-point assessment for Engineering Construction Pipefitter (ECP) consists of three components:

Knowledge Assessment

- The test ensures that the apprentice has acquired the underpinning knowledge to enable them to perform their role. The test consists of 50 multiple choice questions to be answered in a 90-minute assessment under controlled conditions. Each question will present the apprentice with 4 options from which they must select the correct one.

Practical Assessment

- This is a skills-based practical exercise which will take a maximum of 8 hours. The exact duration will be similar to the time expected for a competent pipefitter to complete a similar task. The task will be one holistic pipefitting task. During the test the Independent Assessor can question the apprentice to ascertain the depth and breadth of their underpinning knowledge.

Structured Professional Review

- This is a face-to-face professional review which takes place after successful completion of the knowledge and practical tests. The review will evidence the demonstration of behaviours stated in the standard and satisfaction of Eng Tech requirements and can be used to question the apprentice on any areas they may have failed to effectively demonstrate. The review will be expected to last 90 minutes and will consist of a professional discussion and behavioural questions.

Roles and responsibilities

EUIAS will provide assessors.

The employer or training provider will provide the venues for all assessments, including settings for the Practical Assessment which must be suitably equipped to allow the apprentice to attempt all aspects of the Practical Assessment. The employer or training provider will provide all necessary tools and equipment for the apprentice.

The employer or training provider will adequately prepare apprentices for the end-point assessments and will ensure the Practical Assessment evidence for each apprentice is submitted to EUIAS prior to end-point assessment at an agreed date.

Retake and resit information

Elements 1 and 2 below can be delivered in any order, however EUIAS recommend beginning with the knowledge Assessment. Element 3 **must** always be delivered last:

- Element 1: Knowledge Test
- Element 2: Practical Assessment
- Element 3: Structured Professional Review

The apprentice **must** pass each element before they can progress onto the next. If the apprentice fails one element the apprentice must, with immediate effect, be withdrawn from the EPA process. The EUIAS will provide feedback to the employer and or training provider and agree an action plan for the apprentice.

The apprentice will only be expected to retake the ECP EPA element that they have failed. The retake **must only** be carried out after one month has elapsed since the first scheduled date of the EPA element. The apprentice **cannot achieve higher than a pass** for the EPA element that they have had to retake.

Weightings and Overall Grading

Each assessment method is marked separately and awarded either a fail, pass, merit or distinction.

The Knowledge Test grade is based on the percentage score achieved. The grade and mark for both the Practical Assessment and the Structured Professional Review is based on the number and level of criteria achieved.

	Pass	Merit	Distinction	Overall EPA weighting
Knowledge Test	60%	70%	85%	0.35
Practical Assessment	60% All pass criteria achieved	75% A pass plus minimum of 3 merit criteria achieved	85% A merit plus minimum of 2 distinction criteria achieved	0.55
Structured Professional Review	60% All pass criteria achieved	75% A pass plus minimum of 5 merit criteria achieved	85% A merit plus minimum of 2 distinction criteria achieved	0.10

The overall EPA grade is determined by

- Combining the individual assessment percentages to give an overall percentage taking in to account each methods' weighting
- Using the number of passes, merits and distinctions awarded across the assessment methods.

The overall mark for the ECP standard is based on the marks and weightings in individual elements as follows:

Final Percentage =

$$\begin{aligned}
 & (\text{assessment method 1 percentage} \times \text{weighting}) + \\
 & (\text{assessment method 2 percentage} \times \text{weighting}) + \\
 & (\text{assessment method 3 percentage} \times \text{weighting})
 \end{aligned}$$

The overall grade for the ECP standard is based on the overall mark and grades achieved in individual elements as follows:

Overall EPA percentage	$\geq 85\%$	$\geq 70\%$	$\geq 60\%$	$\geq 0\%$
	AND	AND	AND	AND
Number of passes, merits and distinctions	minimum of 2 merits and 1 distinction	minimum of 2 merits	minimum of 3 passes	at least 1 fail
	=	=	=	=
Final grade awarded	Distinction	Merit	Pass	Fail

Example 1

Apprentice A achieved

Knowledge Test: 72% (Merit)

Practical Assessment: 70% (Pass)

Structured Professional Review: 90% (Distinction)

The overall percentage is calculated as

$$(72 \times 0.35) + (70 \times 0.55) + (90 \times 0.10) = 72.7\%$$

The apprentice would achieve a **merit** because

- Their overall percentage is greater than 70%
- They have achieved a minimum of 2 merits (merit, pass, distinction).

Example 2

Apprentice B achieved

Knowledge Test: 96% (Distinction)

Practical Assessment: 70% (Pass)

Structured Professional Review: 70% (Pass)

The overall percentage is calculated as

$$(96 \times 0.35) + (70 \times 0.55) + (70 \times 0.10) = 79.1\%$$

The apprentice would achieve a **pass** because

- Their overall percentage is greater than 70% but they have **not** achieved a minimum of 2 merits, so they cannot achieve a merit
- Their overall percentage is greater than 60% and they have achieved minimum pass for all 3 elements, so they can achieve a pass.