



ETCAL Level 4 Lean Six Sigma Black Belt
603/7472/X

Assessment Guide

Assessment Principles

All assessments must be carried out in accordance with the ETA approval requirements and in line with the regulatory expectations.

The choice and application of assessment methods are entirely flexible but must be consistent with the general principles of assessment and will likely include:

- Direct Observation
- Written evidence (portfolio/workbook)
- Centre set assignment
- Centre set coursework
- Oral examination
- Professional/open discussion
- Centre set multiple choice
- Video evidence

Should an alternative method of assessment be considered, this should be discussed with ETA and agreed before introduction.

All delivery staff should have a background, experience and knowledge applicable to the level of the subject being delivered, assessed and quality assured. It is the centres responsibility to ensure all staff hold the appropriate qualifications to meet the requirements and obtain and maintain suitable records to underpin this.

Unit aim

This unit provides the detail required to achieve a **Black Belt** in Lean Six Sigma Techniques and sets out a structured approach through the stages to be completed.

Unit introduction

A learner may already have or be working towards the **Level 4 Diploma in Business Improvement Techniques** or **Level 4 Improvement Practitioner Standard**. If they achieve either of these qualifications, they may be able to map their achievement to this **Black Belt** using the Qualifying Principles and Descriptors below. If a learner is not working towards a relevant qualification, they will be required to meet the specifications as detailed below.

Assessment

To achieve this **Black Belt** the learner needs to demonstrate that they can meet all the Qualifying Principles. The descriptors determine the standard required to achieve the unit, through a variety of assessment methods appropriate to the assessment environment.

Unit Reference Number		H/618/7052
Title		Lean Six Sigma Black Belt
Unit Level		Level 4
Guided Learning Hours		160
Total Qualification Time		200
Unit Credit Value		20
Unit Grading Structure		Pass / Fail

	Qualifying Principle		Descriptors	Criteria expansion
1	Articulate a thorough understanding of the philosophy and deployment of Lean Six Sigma	1.1	Research the concept of Lean Six Sigma, its evolution, application, culture and benefits.	This must include an appropriate project charter detailing to demonstrate a depth of understanding of Lean Six Sigma
		1.2	Compare a range of advanced Lean Six Sigma tools and techniques.	
		1.3	Demonstrate leading a Lean Six Sigma Project	
2	Understand how to lead a Lean Six Sigma project	2.1	Explain how an appropriate project is selected.	This must include the reasons for selection and expected benefits deliverable
		2.2	Describe how to identify and select an appropriate team.	Use appropriate tools to assess the suitability of the project team
		2.3	Describe the steps of a recognised continuous improvement process with a clear flow from one step to the next.	This should be supported by the application/interpretation of appropriate Lean, Six Sigma, Project and Change Management tools.
		2.4	Research and compare methods to identify, analyse and use advanced data and information.	The learner should be able to demonstrate competent use of advanced statistical and lean tools
		2.5	Describe how to select and use an appropriate project management tool.	This process may be demonstrated at the final presentation stage of the improvement process

3	Understand how to feedback Lean/Sigma project results to the stakeholders	3.1	Identify and describe an appropriate evaluation criteria for a project	This should align and relate with the project scope identified
		3.2	Understand how to feedback Lean/Sigma project results to stakeholders.	Utilising all the tools used to develop and confirm the solution of your project. Prepare a report / presentation covering all stages of a recognised improvement process (include all tools utilised to develop your solution)
4	Compare a range of knowledge transfer techniques when leading a team	4.1	Research and compare a range of knowledge transfer techniques	This must demonstrate how best practice is shared and the lean sigma infrastructure is implemented
		4.2	Critically evaluate their own leadership style	This must include the resulting personal improvements reflected in your verbal or written process review
		4.3	Evaluate how your team have developed	Utilise appropriate tools to measure team effectiveness
		4.4	Demonstrate the use of appropriate mentoring / training techniques to support knowledge transfer	This might include training events, green / yellow / white belt. Mentoring of green / yellow / white belt team member