



PeopleCert - IASSC[®] Certified Lean Expert[™] Training

Introduction

Lean is a proficiency, originally established from the Toyota Production System, that refers to the application of certain Lean practices, principles, and tools typically used to reduce waste and improve process efficiencies.

Why is it important to hold a Lean certification?

- Proves candidate's proficiency with Lean methodology, beyond terminology.
- Undertake the role of Certified Practitioner / Leader / Expert role in their teams.
- Showcase the skills necessary to achieve the desired results (defect reduction, process improvement or any other strategically aligned organizational objectives).

Training Duration

8 Days

Course Content

- Introduction to Lean
- Gemba (The Real Place)
- Kaizen (Continuous Improvement)
- KPIs (Key Performance Indicators)
- Teamwork & Team Skills
- MUDA (Wastes) / MURA (Fluctuation) / MURI (Overburden) - the three families of efficiency losses
- 5S
- Kano Model
- Just-In-Time (JIT)
- Bottleneck Analysis
- Continuous Flow
- Takt Time
- Value Stream Mapping
- Flow Diagram (Swimlane Diagram)
- Spaghetti Diagram
- Layout planning
- Single-Minute Exchange of Dies (SMED)
- Heijunka (Level Scheduling)
- Kanban (Pull System)
- Jidoka (Zero Defect Principle)
- Andon
- Poka-Yoke (Error Proofing)
- Root Cause Analysis (RCA)
- Risk Analysis
- Total Productive Maintenance (TPM)
- Six Big Losses
- Overall Equipment Effectiveness (OEE)
- Standardized Work
- Sustainment
- Visual Management
- Short Interval Control / Active Supervision
- Hoshin Kanri (Policy Deployment)
- Kaizen task-force workshops
- Change Management
- DMAIC
- SMART Goals
- Stakeholder Management
- PDCA

Target Audience

This is the **third level** of IASSC Lean qualification aimed towards anyone who wishes to become a Lean methodology professional & seeking personal certification.

First Level	IASSC [®] Certified Lean Practitioner [™] - foundational understanding of Lean and its practical implementation
Second Level	IASSC [®] Certified Lean Leader [™] - advanced understanding of Lean concepts and tools
Third Level	IASSC [®] Certified Lean Expert [™] - mastery of all Lean Management tools and their practical applications

Purpose of Lean Expert Qualification

To confirm candidate is well versed in Lean methodology & able to implement, perform, interpret & apply Lean methodology at an advanced level of proficiency.

Examination Format

Delivery	Computer (Web Proctored / Classroom)
Type	110 Multiple Choice Questions (MCQ) Each question is awarded one (1) mark
Duration	3 hours (180 minutes) For non-native speakers or candidates with a disability, an additional 60 minutes of extra time is allowed.
Pass Mark	70% (77 marks out of 110)
Invigilator / Supervisor / Proctor	Yes Physical or Online Proctoring
Open Book	No Only the provided Reference Document, which contains all formulas and tables that may be needed during the examination, can be used.
Prerequisites	None
Distinction	N/A
Certification Validity	3 years (a recertification exam is required to maintain validity)