



ILSSI.org

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Audit Guideline for Lean Six Sigma Green Belt Projects Minimum Requirements for ILSSI Certification

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This document outlines the minimum requirements and tools and techniques for a Lean Six Sigma Green Belt project. Each Green Belt project should follow the DMAIC methodology.

This standard is issued by the International Lean Six Sigma Institute (ILSSI) to ensure consistency, quality, and value delivery in all Green Belt certified projects.

Define Phase

- Problem / Opportunity Statement
- Project Charter (including Primary Metric and Secondary Metrics)
- Business Case (why is solving this problem important to the business)
- SIPOC Diagram or Scope Definition
- Voice of the Customer (VOC)
- Stakeholders and Project Team

Measure Phase

- Data Collection
- Baseline (As-Is) Performance Metric values
- As-Is Process Map or Value Stream Map
- Measurement System Analysis – some assessment that your measurement system is capable
- As-Is data visualization: for example, Run Chart, Control Chart, Box Plots, Histogram or As-Is Capability analysis



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Analyze Phase

- Root Cause Analysis (e.g., 5 Whys, Fishbone Diagram)
- Pareto Analysis
- Correlation and/or Regression Analysis (if applicable)
- ANOVA or other Statistical Methods for data-driven evidence of the Root Cause
- Validated Root Causes

Improve Phase

- Possible Improvement Ideas (perhaps prioritization/selection matrix or tool)
- Cost-Benefit Analysis of improvement (optional)
- Implementation Plan

Control Phase

- Control Plan
- Data visualization after the improvement: for example, Run Chart, Control Chart, Box Plots, Histogram or As-Is Capability analysis
- Project Summary of Success