

The following are the General Requirements
for Six Sigma Development Solution, Inc.'s
Lean Six Sigma Green Belt Certification.

LEAN
ENTERPRISE



*To be used as a (rough)
framework for Lean and
Six Sigma Green Belt
Project Development,
not a strict guideline.



(DMAIC) DEFINE, MEASURE, ANALYZE, IMPROVE, CONTROL

LSSGB Certification Requirements

- Completion of each of the 5 Tollgates (Define, Measure, Analyze, Improve and Control)
 - Each Tollgate must be approved by a MBB before moving on to the next Tollgate or Project Completion (Control Tollgate).
- Show use and working knowledge of the following tools (at a minimum)
 - Project Charter
 - SIPOC
 - Input/Variables Map/Process Map
 - Capability Analysis
 - Measurement Systems Analysis (MSA)
 - C&E Matrix
 - Failure Modes and Effects Analysis (FMEA)

(DMAIC) DEFINE, MEASURE, ANALYZE, IMPROVE, CONTROL

LSSGB Certification Requirements

- Hypothesis Testing
 - 1t Test / 2t Test
 - Analysis of Variance (ANOVA)
 - Regression/Correlation (Optional based on the project)
- Graphical Tools
 - Boxplots
 - Pareto Charts
 - Normality Test(s)
 - Multi-Vari Analysis
- D-FMEA (Risk Management of the Improvement)
- Improvement GANTT Chart (PM Tool)
- Improvement Prioritization



(DMAIC) DEFINE, MEASURE, ANALYZE, IMPROVE, CONTROL

LSSGB Certification Requirements

- Improvement Sustainability
 - Visual Control Solution(s)
 - Update or newly Developed Operating Procedures
 - Update or newly Developed Work Instructions
 - Update or newly Developed Training Plan
 - We need to see documentation of the Implemented Training Plan
- Use of a Statistical Tool to show that there has been a statistically significant effect on the Key Process Output Variable(s) in line with Goal Statement on the Project Charter
- Documented and Verifiable Financial Impact in line with the Project Charter

(DMAIC) DEFINE, MEASURE, ANALYZE, IMPROVE, CONTROL

If you need more information or clarification on requirements explained, please contact me (Kevin Clay) at

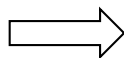
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(DMAIC) DEFINE, MEASURE, ANALYZE, IMPROVE, CONTROL