

Caldwell & Associates Course Body of Knowledge

Lean Six Sigma Yellow Belt (YB) Bootcamp Virtual Workshop \$95 - 1 days (8 hours)

Define Phase

Summary Review of Lean Six Sigma White Belt Course - S3

1.0 Define Phase

1.1.3 Deliverables of a Lean Six Sigma Project - S17

1.1.4 The Problem Solving Strategy $Y = f(x)$ - S9

1.1.5 Voice of the Customer, Business and Employee - S7

1.1.6 Six Sigma Roles & Responsibilities - S12

1.2.1 Defining a Process - S42

1.2.2 Critical to Quality Characteristics (CTQ's) - S29

1.2.3 Cost of Poor Quality (COPQ) - S83

1.2.4 Pareto Analysis (80:20 rule) - S78

1.2.5 Basic Six Sigma Metrics - S140

a. including DPU, DPMO, FTY, RTY Cycle Time - S142

1.3 Selecting Lean Six Sigma Projects - S33

1.3.1 Building a Business Case & Project Charter - S34

1.3.2 Developing Project Metrics - S34

1.3.3 Financial Evaluation & Benefits Capture - S34

1.4 The Lean Enterprise - S40

Measure Phase

2.0 Measure Phase

2.1 Process Definition - S38

2.1.1 Cause & Effect / Fishbone Diagrams - S89

2.1.2 Process Mapping, SIPOC, Value Stream Map - S43

2.1.3 X-Y Diagram - S94

2.1.4 Failure Modes & Effects Analysis (FMEA)

2.2 Six Sigma Statistics - S103

2.2.1 Basic Statistics - S132

2.2.2 Descriptive Statistics - S133

2.2.3 Normal Distributions & Normality - S94 & S134

2.2.4 Graphical Analysis - S94

2.3 Measurement System Analysis - S91

2.3.1 Precision & Accuracy - S108

2.3.2 Bias, Linearity & Stability - S131

2.3.3 Gage Repeatability & Reproducibility - S111

2.3.4 Variable & Attribute MSA - S34

2.4 Process Capability

2.4.1 Capability Analysis

2.4.2 Concept of Stability S134

2.4.3 Attribute & Discrete Capability - S34

2.4.4 Monitoring Techniques

Caldwell & Associates Course Body of Knowledge

Lean Six Sigma Yellow Belt (YB) Bootcamp Virtual Workshop \$95 - 2 hours on 2 days (6 hours)

Analyze Phase	3.0 Analyze Phase
	Future State Value Stream Mapping - S44
Improve Phase	4.0 Improve Phase
Control Phase	5.0 Control Phase
	5.1 Lean Controls
	5.1.1 Control Methods for 5S
	5.1.2 Kanban
	5.1.3 Poka-Yoke (Mistake Proofing)
	5.3 Six Sigma Control Plans
	5.3.1 Cost Benefit Analysis
	5.3.2 Elements of the Control Plan
5.3.3 Elements of the Response Plan	
Certification Exam	Caldwell & Associate Certification Exam - Free
	Caldwell & Associates courses are based on IASSC body of knowledge
	International Association of Six Sigma Certification Exam - \$195
	No Project

