

Quality America, Inc.

On-Site Black Belt Training Agenda

Week 1

Start	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Six Sigma Overview ➤ Why Do Six Sigma	DMAIC Define ➤ Project Definition	DMAIC Define ➤ Project Scheduling	DMAIC Measure ➤ Distributions	DMAIC Measure ➤ Process Capability, Histograms & Probability Plots
10:30	Morning Break				
10:45	Six Sigma Overview ➤ How to Deploy SS	DMAIC Define ➤ Project Definition (continued)	DMAIC Define ➤ Change Management / Teams	DMAIC Measure ➤ X-Bar Charts	DMAIC Measure ➤ Process Capability (continued)
12:00	Lunch				
1:00	Six Sigma Overview ➤ How to Deploy SS (continued)	DMAIC Define ➤ Metrics & Deliverables	DMAIC Measure ➤ Change Management / Teams (continued)	DMAIC Measure ➤ Individuals Data	DMAIC Measure ➤ Attribute Control Charts
2:30	Afternoon Break				
2:45	Six Sigma Overview ➤ Six Sigma Projects	DMAIC Define ➤ Project Financials	DMAIC Measure ➤ Tools / Objectives	DMAIC Measure ➤ Individuals Data (continued)	Overview and Wrap-Up ➤ Project Outlook

Week 2

Start	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	DMAIC Measure ➤ Short Run SPC	Projects Discussion	DMAIC Analyze ➤ Sources of Variation	DMAIC Analyze ➤ Intro to Regression	DMAIC Analyze ➤ Introduction to Designed Experiments
10:30	Morning Break				
10:45	DMAIC Measure ➤ Short Run SPC (continued)	Projects Discussion	DMAIC Analyze ➤ Sources of Variation (continued)	DMAIC Analyze ➤ Intro to Regression (continued)	DMAIC Analyze ➤ Introduction to Designed Experiments (continued)
12:00	Lunch				
1:00	DMAIC Measure ➤ Measurement Systems Analysis	DMAIC Analyze ➤ Value Stream Analysis	DMAIC Analyze ➤ ANOVA	DMAIC Analyze ➤ Multiple Regression	Overview and Wrap-Up ➤ Project Outlook
2:30	Afternoon Break				
2:45	DMAIC Measure ➤ MSA (continued)	DMAIC Analyze ➤ VSA (continued)	DMAIC Analyze ➤ ANOVA (continued)	DMAIC Analyze ➤ Multiple Regression (continued)	

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BLACK BELT TRAINING AGENDA

Week 3

Start	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	DMAIC <i>Analyze</i> ➤ DOE Analysis	Projects Discussion	DMAIC <i>Improve</i> ➤ Tools / Objectives	Projects Discussion	DMAIC <i>Improve</i> ➤ Simulations
10:30	<i>Morning Break</i>				
10:45	DMAIC <i>Analyze</i> ➤ DOE Analysis (continued)	Projects Discussion	DMAIC <i>Improve</i> ➤ Tools (continued)	Projects Discussion	DMAIC <i>Improve</i> ➤ Simulations (continued)
12:00	<i>Lunch</i>				
1:00	DMAIC <i>Analyze</i> ➤ Design Selection	DMAIC <i>Analyze</i> ➤ Transformations	DMAIC <i>Improve</i> ➤ Response Surface Analysis	DMAIC <i>Improve</i> ➤ Ridge Analysis	Overview and Wrap-Up ➤ <i>Project Outlook</i>
2:30	<i>Afternoon Break</i>				
2:45	DMAIC <i>Analyze</i> ➤ Design Selection (continued)	DMAIC <i>Analyze</i> ➤ Transformations (continued)	DMAIC <i>Improve</i> ➤ Response Surface Analysis (continued)	DMAIC <i>Improve</i> ➤ Ridge Analysis (continued)	

Week 4

Start	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	DMAIC <i>Improve</i> ➤ Evolutionary Operations	Projects Discussion	DMAIC <i>Control</i> ➤ Time Series Analysis	Projects Discussion	Overview and Wrap-Up
10:30	<i>Morning Break</i>				
10:45	DMAIC <i>Improve</i> ➤ EVOP (continued)	Projects Discussion	DMAIC <i>Control</i> ➤ Time Series Analysis (continued)	Projects Discussion	Overview and Wrap-Up
12:00	<i>Lunch</i>				
1:00	DMAIC <i>Control</i> ➤ Tools / Objectives	DMAIC <i>Control</i> ➤ Serial Correlation	Six Sigma <i>Overview</i> ➤ Design for Six Sigma	Projects Discussion	Overview and Wrap-Up
2:30	<i>Afternoon Break</i>				
2:45	DMAIC <i>Control</i> ➤ Tools (continued)	DMAIC <i>Control</i> ➤ Serial Correlation (continued)	Six Sigma <i>Overview</i> ➤ Design for Six Sigma (continued)	Projects Discussion	