Certified Six Sigma Combo Boot according to ASQ Six Sigma Body of Knowledge

Timetable for 8 days Six Sigma Combo Boot

Day 1	Day 2	Day 3	Day 4
Introduction and expectations of **participants** Leadership, Project Management, Tool-box, Statistics, Six Sigma Concept	**Recap** of the first training day and discussion on fundamentals as well as basic terms	**Recap** of the DMAIC cycle, procedure and tools	**Recap of Statistics Fundamentals** General terms, probability analysis and distributions
D-M-A-I-C 1 **Define-Phase with approach and tools in detail** Project Charter, VOC, Problem-& Target statement, Project Management, Cost-benefit analysis **Interaction: SIPOC** *Feedback session*	**D-M-A-I-C 4** **Improve-Phase with approach and tools in detail** Implementation- and training plan, conduct 5S events in companies and monitor those *Feedback session*	**Fundamentals of Statistics I** Introduction to general statistical terms, scale levels, probability distributions, addition- and multiplication theorem **Interaction: Application of distributions in XLS** *Feedback session*	**Fundamentals in Statistics II** **Interaktion: Process capability** Excercises in Excel and Minitab for working with process capability indices inclusive creation of process control charts *Feedback session*
Pause			
D-M-A-I-C 2 **Measure-Phase with approach and tools in detail** SIPOC, Swim-Lane, Value Stream Mapping, Makigami **Interaction: SWIM-LANE**	**D-M-A-I-C 5** **Control-Phase with approach and tools in detail** Overview, process control chart and standard procedures, Go-Live Support, process capability of the solution, project closure report	**Interaction: SSCD: ProcessSIM®** **Part 1** Business game as project substitute. Real Business Case. 1 month is simulated on one hour of real time.	**Correlation & Regression** Correlation analysis, linear regression analysis, logistic regression analysis
D-M-A-I-C 3 **Analyze-Phase with approach and tools in detail** Brainstorming, Ishikawa, FMEA, 5xWhy, Overview problem solving methods (7STEP etc.)	**Lean Management** Leadership in Lean 5 Lean principles **Interaction: Lean-Game** „Paper Aircraft Manufactering“	**Interaktion: SSCD: ProcessSIM®** **Part 2** Business game as project substitute / Presentation of results. Real Business Case. 1 month is simulated on one hour of real time.	**Examination & Content Review** Duration of examination 2 hours 20 questions
Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – **Hand-out of certificates** *Feedback session*

SSCD ▪ Six Sigma College ▪ Düsseldorf

Certified Six Sigma Combo Boot according to ASQ Six Sigma Body of Knowledge

Timetable for 8 days Six Sigma Combo Boot

Day 5	Day 6	Day 7	Day 8
Repetition of Green Belt content	**Recap** of the fifth training day	**Recap** of the sixth training day	**Recap / individual priorities**
Management & Organisation I Change-Management, Six Sigma Board, Feedback *Feedback session*	**Basics Statistics & Probabilities** Introduction to basic concepts, scale levels, probabilities, distribution models, sigma level calculation *Feedback session*	**Messsystemanalyse** MSA Verfahren 1,2 und 3 **Prozessfähigkeitsanalyse** Normalverteilte, nicht-normalverteilte und diskrete Merkmale Interaction: **Anwendung statistischer Verteilungen** *Feedback session*	**Design of Experiments** Practical examples and exercises Interaction: **Catapult simulation** *Feedback session*
Pause			
Management & Organisation II Deployment of Six Sigma	**Statistical tests I** Basics, parameter tests, adaptation tests, tests for normally distributed characteristics Interaction: **Tests for Normally Distributed Characteristics**	**Statistical tests II** Basics, parameter tests, adaptation tests, Tests for Non-Normally Distributed Characteristics Interaction: **Tests for Non-Normally Distributed Characteristics**	**Examination & Content Review** Duration of examination 2 hours 20 questions
Correlation & Regression Correlation analysis, linear regression analysis, logistic regression analysis	**Statistical tests I** Basics, parameter tests, adaptation tests, tests for normally distributed characteristics Interaction: **Tests for Normally Distributed Characteristics**	**Statistical tests III** Tests for Discrete Characteristics Interaction: **Tests for Non-Normally Distributed Characteristics**	**Conclusion** of the training course and **clarification of open questions** on the further application of the learning contents in the individual environments
Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – **Hand-out of certificates** *Feedback session*

SSCD ▪ Six Sigma College ▪ Düsseldorf