ASQ® Certified Six Sigma Black Belt

Timetable for 6 days Black Belt

Day 1	Day 2	Day 3	Day 4
Introduction and expectations of **participants** Introduction into basic **Six Sigma concept** (organization & roles)	**Recap** of the first training day and clarification of essential basics	**Recap** des Managements und Deployments von Six Sigma	**Recap** of statistical tests for normally distributed characteristics
Fundamental terms in the Six Sigma context Discussion of the Six Sigma levels: Leadership, Project Management, Toolbox, Statistics *Feedback session*	**Management & organisation I** Change-Management, Six Sigma Board, Feedback *Feedback session*	**Correlation & Regression** Correlation analysis, linear regression analysis, logistic regression analysis *Feedback session*	**Basics Statistics & Probabilities** Introduction to basic concepts, scale levels, probabilities, distribution models, sigma level calculation *Feedback session*

Break

Day 1	Day 2	Day 3	Day 4
Overview D-M-A-I-C: Procedure & Tools Project Charter, SIPOC, VOC, Projekt management **Interaction: SIPOC**	**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**	**Basics Statistics & Probabilities** Distributions and Minitab **Interaction: Application of distributions (e.g. Binomial) and introduction to Minitab**
Overview D-M-A-I-C: Procedure & Tools Value Stream Mapping, Makigami, Ishikawa, Brainstorming, FMEA, final project report	**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**	**Process capability analysis** Normally distributed, non-normally distributed and discrete features **Interaction: Application of statistical distributions**
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 – Summary and discussion on open questions *Feedback session*

SSCD – Black Belt standard (6 Days) – Content

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Timetable for 6 days Black Belt

Day 5	Day 6
Recap of the fourth training day	**Repetition** **individual priorities**
Statistical tests II Basics, parameter tests, adaptation tests, Tests for Non-Normally Distributed Characteristics **Interaktion: Tests for Non-Normally Distributed Characteristics** *Feedback session*	**Design of Experiments** Practical examples and exercises **Interaktion: Katapultversuch** *Feedback session*

Break

Day 5	Day 6
Statistical tests III Tests for Discrete Characteristics	**test** test duration 2 hours 20 questions
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
Q&A Session – Summary and discussion on open questions *Feedback session*	Q&A Session – **Hand out of certificates** *Feedback session*

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