

# LEAN SIX SIGMA

## YELLOW & ORANGE BELT

### 50 exercises and answer keys

#### CLIMBING THE MOUNTAIN

Manufacturing and Service

ing. T.H.M. de Goede, ir. T.J. Hesp, A. Meek BSc IAM, ing. A.G.M. ten Tije

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The structure of this book is based on the LSSA® Syllabus (rev.2.0, 2014) and the Continuous Improvement Maturity Model - CIMM. You have the permission to share and distribute this model in its original form by referencing the publisher and author, (LSSA®, Theisens et. al., 2014).

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## How to use this book

There are many excellent books about the Lean Six Sigma theory. However you cannot learn how to apply Lean Six Sigma by only reading books. You need to learn by doing and practicing. This exercise book is a valuable addition in Lean Six Sigma training events. Even experienced Lean Six Sigma Yellow and Orange Belts can use this exercise book to improve their Lean Six Sigma skills.

The exercises in this book are based on the 'Continuous Improvement Maturity Model' (CIMM). This is a framework that guides an evolutionary stage approach for process improvement from a very early stage through to delivering World Class products and services. CIMM is a coherent and innovative framework that connects Lean, Six Sigma and other improvement methods. The framework incorporates the best practices methods and techniques of process improvement, quality management and new product development. CIMM is an open standard and is maintained by the 'Lean Six Sigma Academy' (LSSA). For additional information see the book 'Climbing the Mountain', (Theisens, 2014).

The structure of this exercise book is based on the Lean Six Sigma Academy Syllabi for 'Yellow Belt' and 'Orange Belt', (LSSA, 2014). For most of the competences and techniques defined in these syllabi the exercise book will provide exercises. We advise you to register this book at [www.lssa.eu](http://www.lssa.eu). After registering you will be able to download additional examples, templates and the data files that have been used to perform the analyses and graphs.

This book contains exercises for different fields of expertise in both manufacturing and services. As of page 112 you can find an index which exercises apply for your field of expertise.



## Content

<b>1</b>	<b>WORLD CLASS PERFORMANCE.....</b>	<b>10</b>
1.1	HISTORY, VALUES AND PRINCIPLES OF LEAN AND SIX SIGMA .....	10
1.2	FOCUS OF LEAN.....	10
1.3	HOUSE OF QUALITY.....	10
<b>2</b>	<b>PROCESS IMPROVEMENT DEPLOYMENT .....</b>	<b>12</b>
<b>3</b>	<b>PROJECT MANAGEMENT.....</b>	<b>13</b>
3.1	PROJECT STRUCTURE OF A LEAN SIX SIGMA PROJECT.....	13
3.2	STAKEHOLDERS AND PROJECT MEMBERS.....	13
3.3	PROJECT COMMUNICATION .....	13
3.4	ONE POINT LESSON .....	13
<b>4</b>	<b>CIMM LEVEL I – CREATING A SOLID FOUNDATION .....</b>	<b>15</b>
4.1	5S OFFICE.....	15
4.2	5S COMPUTER.....	15
4.3	ORGANIZED WORK ENVIRONMENT - 5S ACTIVITIES .....	16
4.4	STANDARD OPERATING PROCEDURES (SOP).....	16
<b>5</b>	<b>CIMM LEVEL II – CREATING A CONTINUOUS IMPROVEMENT CULTURE.....</b>	<b>17</b>
5.1	KAIZEN 5S TOOL SHOP.....	17
5.2	BAR CHART - EXCEL .....	20
5.3	PIE CHART - EXCEL .....	20
5.4	PARETO CHART - EXCEL.....	21
5.5	TIME SERIES PLOT - EXCEL.....	21
5.6	HISTOGRAM - EXCEL .....	22
5.7	SCATTER PLOT - EXCEL .....	22
5.8	BAR CHART - MINITAB .....	23
5.9	PIE CHART - MINITAB .....	24
5.10	PARETO GRAPH - MINITAB .....	24
5.11	TIME SERIES PLOT - MINITAB.....	24
5.12	BOXPLOT - MINITAB.....	24
5.13	HISTOGRAM - MINITAB .....	24
5.14	VISUALIZATION OF DATA - EXCEL.....	25
5.15	VISUAL MANAGEMENT.....	25
<b>6</b>	<b>CIMM LEVEL III – CREATING STABLE AND EFFICIENT PROCESSES.....</b>	<b>29</b>
	DEFINE.....	29
6.1	PROCESS FLOW FLASHLIGHT .....	29
6.2	PANCAKES (SIPOC) .....	30
6.3	PANCAKES (PROCESS MAPPING).....	31
6.4	PANCAKES (CAUSE & EFFECT MATRIX) .....	32
6.5	COMPLAINTS PIZZERIA .....	32
	MEASURE.....	33
6.6	SCALE TYPES .....	33
6.7	FLASHLIGHT PRODUCTION .....	33

6.8	FINES .....	34
6.9	FIRST TIME RIGHT (FTR) AND ROLLED THROUGHPUT YIELD (RTY).....	35
6.10	OEE BOTTLE FILLER.....	35
	ANALYZE .....	36
6.11	LOGISTIC PROCESS INCOMING GOODS .....	36
	IMPROVE.....	37
6.12	LEAD TIME BATCH PRODUCTION.....	37
6.13	LEAD TIMES ENVELOPES READY TO SEND .....	38
	CONTROL .....	39
<b>7</b>	<b>CIMM LEVEL IV – CREATING CAPABLE PROCESSES .....</b>	<b>40</b>
	DEFINE.....	40
7.1	CTX FLOWDOWN - PANCAKES.....	40
7.2	CTQ FLOWDOWN OF A SANITARY BUILDING .....	40
	MEASURE.....	41
7.3	MEAN AND MEDIAN .....	41
7.4	VARIANCE, STANDARD DEVIATION AND RANGE.....	41
7.5	CREATING A HISTOGRAM .....	41
7.6	PROBABILITY WITH DICE .....	41
7.7	PROBABILITY VASE WITH MARBLES .....	41
	ANALYZE .....	42
7.8	AIR PERMEABILITY OF CONVEYOR BELTS: PROCESS CAPABILITY .....	42
7.9	CALL DURATION: PROCESS CAPABILITY .....	42
7.10	INTERPOLATION.....	43
	IMPROVE.....	43
	CONTROL .....	44
7.11	X-BAR & R CHART .....	44
<b>8</b>	<b>CIMM LEVEL V – CREATING WORLD CLASS PRODUCTS .....</b>	<b>45</b>
	<b>ANSWERS .....</b>	<b>47</b>
<b>1</b>	<b>WORLD CLASS PERFORMANCE.....</b>	<b>48</b>
1.1	HISTORY, VALUES AND PRINCIPLES OF LEAN AND SIX SIGMA .....	48
1.2	FOCUS OF LEAN.....	48
1.3	HOUSE OF QUALITY.....	49
<b>2</b>	<b>PROCESS IMPROVEMENT DEPLOYMENT .....</b>	<b>50</b>
<b>3</b>	<b>PROJECT MANAGEMENT.....</b>	<b>51</b>
3.1	PROJECT STRUCTURE OF A LEAN SIX SIGMA PROJECT.....	51
3.2	STAKEHOLDERS AND PROJECT MEMBERS.....	52
3.3	PROJECT COMMUNICATION .....	53
3.4	ONE POINT LESSON .....	53
<b>4</b>	<b>CIMM LEVEL I – CREATING A SOLID FOUNDATION .....</b>	<b>55</b>
4.1	5S OFFICE.....	55
4.2	5S COMPUTER.....	55
4.3	ORGANIZED WORK ENVIRONMENT – 5S ACTIVITIES .....	56
4.4	STANDARD OPERATING PROCEDURES (SOP).....	56

<b>5</b>	<b>CIMM LEVEL II – CREATING A CONTINUOUS IMPROVEMENT CULTURE.....</b>	<b>58</b>
5.1	KAIZEN 5S TOOL SHOP.....	58
5.2	BAR CHART - EXCEL.....	60
5.3	PIE CHART - EXCEL.....	61
5.4	PARETO CHART - EXCEL.....	63
5.5	TIME SERIES PLOT - EXCEL.....	71
5.6	HISTOGRAM - EXCEL.....	72
5.7	SCATTER PLOT - EXCEL.....	75
5.8	BAR CHART - MINITAB.....	78
5.9	PIE CHART - MINITAB.....	80
5.10	PARETO GRAPH - MINITAB.....	82
5.11	TIME SERIES PLOT - MINITAB.....	83
5.12	BOXPLOT - MINITAB.....	84
5.13	HISTOGRAM - MINITAB.....	86
5.14	VISUALIZATION OF DATA - EXCEL.....	87
5.15	VISUAL MANAGEMENT.....	88
<b>6</b>	<b>CIMM LEVEL III – CREATING STABLE AND EFFICIENT PROCESSES.....</b>	<b>90</b>
	DEFINE.....	90
6.1	PROCESS FLOW FLASHLIGHT.....	90
6.2	PANCAKES (SIPOC).....	90
6.3	PANCAKES (PROCESS MAPPING).....	91
6.4	PANCAKES (CAUSE & EFFECT MATRIX).....	92
6.5	COMPLAINTS PIZZERIA.....	93
	MEASURE.....	93
6.6	SCALE TYPES.....	93
6.7	FLASHLIGHT PRODUCTION.....	93
6.8	FINES.....	94
6.9	FIRST TIME RIGHT (FTR) AND ROLLED THROUGHPUT YIELD (RTY).....	94
6.10	OEE BOTTLE FILLER.....	94
	ANALYZE.....	95
6.11	LOGISTIC PROCESS OF INCOMING GOODS.....	95
	IMPROVE.....	97
6.12	LEAD TIME BATCH PRODUCTION.....	97
6.13	LEAD TIMES ENVELOPES READY TO SEND.....	98
	CONTROL.....	98
<b>7</b>	<b>CIMM LEVEL IV – CREATING CAPABLE PROCESSES.....</b>	<b>99</b>
	DEFINE.....	99
7.1	CTX FLOWDOWN - PANCAKES.....	99
7.2	CTQ FLOWDOWN OF A SANITARY BUILDING.....	101
	MEASURE.....	103
7.3	MEAN AND MEDIAN.....	103
7.4	VARIANCE, STANDARD DEVIATION AND RANGE.....	103
7.5	CREATING A HISTOGRAM.....	103
7.6	PROBABILITY WITH DICE.....	104
7.7	PROBABILITY VASE WITH MARBLES.....	104
	ANALYZE.....	105
7.8	AIR PERMEABILITY OF CONVEYOR BELTS: PROCESS CAPABILITY.....	105
7.9	CALL DURATION: PROCESS CAPABILITY.....	106
7.10	INTERPOLATION.....	107
	IMPROVE.....	108
	CONTROL.....	108
7.11	X-BAR & R CHART.....	108

<b>8</b>	<b>CIMM LEVEL V – CREATING WORLD CLASS PRODUCTS .....</b>	<b>110</b>
	<b>REFERENCES MANUFACTURING + SERVICE EXERCISES YB-OB LEVEL .....</b>	<b>112</b>