

Quality Council of Indiana
Version as of February 1, 2012

<u>Item</u>	<u>Edition</u>	<u>Date</u>	<u>Ctrl</u>	<u>Install</u>	<u>Program</u>
CCT Primer	2nd Edition	September, 2010	001		PDC
CCT Solutions Text	2nd Edition	2010	001		PDC
CCT Exam CD		August 31, 2010		3.00	4.0.6
CCT Instructor Digital		August 31, 2010	001		PDC
CCT Instructor PDF CD		August 31, 2010	001	2.00	7.0
CMQ Primer	6th Edition	July, 2010	008		PDC
CMQ Solutions Text	6th Edition	July, 2010	006		PDC
CMQ Exam CD		October 7, 2010		5.05	4.0.6
CMQ Instructor Digital		October 27, 2011	008		PDC
CMQ Instructor PDF CD		October 27, 2011	008	6.02	7.0
CQA Primer	7th Edition	January, 2011	003		PDC
CQA Solutions Text	7th Edition	2011	003		PDC
CQA Exam CD		October 19, 2011		5.03	4.0.6
CQA Instructor Digital		January 5, 2011	000		PDC
CQA Instructor PDF CD		January 4, 2011	000	5.00	7.0
CQE Primer	8th Edition	September 1, 2006	017		PDC
CQE Solutions Text	8th Edition	2006	008		PDC
CQE Exam CD		May 24, 2011		9.10	4.0.6
CQE Instructor Digital		January 9, 2012	017		PDC
CQE Instructor PDF CD		January 9, 2012	017	8.08	7.0
CQI Primer	6th Edition	October, 2011	001		PDC
CQI Solutions Text	6th Edition	2011	001		PDC
CQI Exam CD		February 1, 2012		6.05	4.0.6
CQI Instructor Digital		September 29, 2011	000		PDC
CQI Instructor PDF CD		September 29, 2011	000	5.02	7.0
CQIA Primer	2nd Edition	June, 2006	010		
CQIA Solutions Text	2nd Edition	June 1, 2006	006		
CQIA Exam CD		January 3, 2012		4.04	4.0.6
CQIA Instructor PDF CD		September 13, 2010	010	2.07	7.0
CQPA Primer	1st Edition	January, 2006	008		
CQPA Solutions Text	1st Edition	2006	002		
CQPA Exam CD		July 11, 2011		2.01	4.0.6
CQPA Instructor PDF CD		November 30, 2011	008	1.04	7.0
CQT Primer	7th Edition	October, 2011	001		PDC
CQT Solutions Text	7th Edition	October, 2011	001		PDC
CQT Exam CD		November 28, 2011		5.02	4.0.6
CQT Instructor Digital		September 29, 2011	001		PDC
CQT Instructor PDF CD		September 29, 2011	001		7.0
CRE Primer	4th Edition	October 1, 2009	011		PDC
CRE Solutions Text	4th Edition	2009	010		PDC
CRE Exam CD		November 1, 2011		4.13	4.0.6

Quality Council of Indiana - Version Summary

<u>Item</u>	<u>Edition</u>	<u>Date</u>	<u>Ctrl</u>	<u>Install</u>	<u>Program</u>
CRE Instructor Digital		December 5, 2011	011		PDC
CRE Instructor PDF CD		December 5, 2011	011	1.01	9.0
CSQE Primer	4th Edition	2008	006		
CSQE Solutions Text	4th Edition	October 13, 2008	002		
CSQE Exam CD		June 8, 2009		5.03	4.0.6
CSQE Instructor PDF CD		March 11, 2010	006	3.01	7.0
CSSBB Primer	2nd Edition	August 1, 2007	029		PDC
CSSBB Solutions Text	2nd Edition	2007	004		PDC
CSSBB Exam CD		September 27, 2011		5.14	4.0.6
CSSBB Instructor Digital		September 3, 2010	026		PDC
CSSBB Instructor PDF CD		September 3, 2010	026	2.06	7.0
CSSGB Primer	1st Edition	April 3, 2006	029		PDC
CSSGB Solutions Text	1st Edition	2006	013		PDC
CSSGB Exam CD		October 28, 2011		2.09	4.0.6
CSSGB Instructor Digital		October 20, 2011	029		PDC
CSSGB Instructor PDF CD		October 20, 2011	029	1.11	7.0
Spanish CSSGB Primer		October, 2010	004		PDC
Spanish CSSGB Instructor		December 15, 2010	002		PDC
LSS Primer	1st Edition	April 2, 2007	014		
LSS Solutions Text	1st Edition	2007	003		
LSS Exam CD		Not available			
LSS Instructor PDF CD		November 10, 2011	013	1.03	7.0
ISO Primer w/CD		2009	000		
ISO 9001 Internal Auditing Primer		March 31, 2009	001		
ISO 9001 Int Audit Instructor PDF		March 27, 2009	000		7.0
Quality System Handbook w/CD		2009	002	2.01	7.0
RAM Dictionary		1988			
Quality Dictionary		2010	000		PDC
ISO 9001:2008 Pocket Primer		2009			
Measurement Assurance	Software			2.7	
Reliability & Maintenance Analyst	Software			4.7	
Juran's Quality Handbook	6th Edition	2010			
Implementing Six Sigma	2nd Edition	2003			

Date = Date shown in document or file date

Edition = Major edition of document

Ctrl = Control revision for errata, which is shown on the lower-left of Intro-3 in the Primer or Solutions Text

Install = Revision shown during installation of software

Program = Revision of software program

PDC = Digital version is also available (in an electronic format which cannot be printed or edited)

PDF = Adobe Acrobat format

Click on the hyperlink to go to the detailed revision listing for the item.

Quality Council of Indiana - Certified Calibration Technician (CCT)

CCT Primer, 2nd Edition, September, 2010

CCT Primer, 001, August 31, 2010

Intro-3 000 -> 001 initial release of full version

CCT Primer, 000, August 25, 2010, pre-release version, incomplete

Intro-3 000

CCT Solutions Text, 2010

CCT Solutions, 001, August 31, 2010

Intro-3 000 -> 001 initial release of full version

CCT Solutions, 000, August 25, 2010

Intro-3 000

CCT Exam CD

CCT Exam, Install 3.00, Program 4.0.6, Database 2.0.0 August 31, 2010

Initial release

CCT Instructor Digital

CCT Instructor Digital, 001, August 31, 2010

Intro-1 (1) 000 -> 001 initial release of full version

CCT Instructor Digital, 000, August 25, 2010

Intro-1 (1) 000

CCT Instructor PDF

CCT Instructor PDF, 001, August 31, 2010, Install 2.00, Acrobat 7.0

Intro-1 (1) 000 -> 001 initial release of full version

CCT Instructor PDF, 000, August 25, 2010

Intro-1 (1) 000

Quality Council of Indiana - Certified Manager of Quality (CMQ)

CMQ Primer, 6th Edition, July, 2010

CMQ Primer, 008, October 27, 2011, CMQ_Primer_2010_008.pdc

Intro-3 007 -> 008
VI-46 <two places> UCL -> LCL

CMQ Primer, 007, August 29, 2011, CMQ_Primer_2010_007.pdc

Intro-3 006 -> 007
VI-43 $LCL_{\bar{x}} = \bar{X} + A_2 \bar{R}$ -> $LCL_{\bar{x}} = \bar{X} - A_2 \bar{R}$
VI-75 CSSBB Primer (2001) -> *CSSBB Primer (2007)*

CMQ Primer, 006, October 5, 2010, CMQ_Primer_2010_006.pdc

Intro-3 005 -> 006
V-18 19 items -> 18 items

CMQ Primer, 005, September 27, 2010

Intro-3 004 -> 005
XII-28 <Q10.17> c -> b

CMQ Primer, 004, September 9, 2010, CMQ_Primer_2010_004.pdc

Intro-3 003 -> 004
Intro-5 SUPPLER MANAGEMENT -> SUPPLIER MANAGEMENT
EFERENCES -> REFERENCES

CMQ Primer, 003, July 13, 2010, CMQ_Primer_2010_003.pdc

Intro-3 002 -> 003
III-51 2006 -> 2011
IV-126 <Q4.39> <replaced drawing>
V-23 <changed shading>
V-25 establish -> ensure that maintainaed -> maintained
V-40 Best Practices -> best practices
V-78 <Q5.30> <2 places> SAE AS 9000 -> SAE AS 9100
VI-134 <Q6.17> A. -> a.
VII-41 CQE Primer and CSSBB Primer -> *CQE Primer and CSSBB Primer*
IX-13 communicaton -> communication

CMQ Primer, 002, July 13, 2010, CMQ_Primer_2010_002.pdc

Intro-3 001 -> 002
II-83 <Q2.9> hierarchial -> hierarchical
IV-127 <Q4.42> tatic -> tactic
IX-23 <Bold> Corrective Action Request Form
X-42 <Q10.37> planing -> planning

CMQ Primer, 001, July 8, 2010, CMQ_Primer_2010_001.pdc

Intro-3 000 -> 001
VII-17 <moved graphic to right to uncover Pa>

CMQ Primer, 000, July 6, 2010, CMQ_Primer_2010_000.pdc

Intro-3 000 Release of updated edition

CMQ Solutions Text

CMQ Solutions, 006, September 13, 2011, CMQ_Solution_2010_006.pdc

Intro-3 005 -> 006
101 <Q7.7> This statement is true -> This statement is false.
110 <Q7.30> 0.08 = 80% -> 0.8 = 80%

CMQ Solutions, 005, October 7, 2010, CMQ_Solution_2010_005.pdc

Intro-3 004 -> 005
35 <Q3.20> styrofoam -> Styrofoam

Quality Council of Indiana - Certified Manager of Quality (CMQ)

CMQ Solutions, 004, October 5, 2010, CMQ_Solution_2010_004.pdc
Intro-3 003 -> 004
54 <Q4.25> answer d is not quite -> answer c is not quite

CMQ Solutions, 003, September 27, 2010
Intro-3 002 -> 003
XII-28 <Q10.17> c -> b

CMQ Solutions, 002, July 16, 2010, CMQ_Solution_2010_002.pdc
Intro-3 001 -> 002
60 <Q4.39> <replaced drawing>
71 <Q5.12> Reference: -> Reference:
79 <2 places> SAE AS 9000 -> SAE AS 9100

CMQ Solutions, 001, July 13, 2010, CMQ_Solution_2010_001.pdc
Intro-3 000 -> 001
1 <Q2.2> Ethics -> Ethics.
15 <Q2.41> data<Hrt> -> data.[sp][sp]
25 <Q2.67> distractor -> distractor
60 <Q4.39> <alignment> time
127 <Q8.38> cl. -> c.
137 <Q9.6> from 1978 and 1984 -> from an old
138 <Q9.8> from a published 1978 exam and CQE brochure. -> from an old published exam.
159 <Q10.21> factors -> factors.
161 <Q10.26> warranted -> warranted.

CMQ Solutions, 000, July 6, 2010, CMQ_Solution_2010_000.pdc
Intro-3 000 Release of updated edition

CMQ Exam CD

CMQ Exam, Install 5.04, Program 4.0.6, Database 6.0.0, Build 5.04, October 7, 2010
ID-87 <Q3.20> styrofoam -> Styrofoam

CMQ Exam, Install 5.03, Program 4.0.6, Database 6.0.0, Build 5.02, October 5, 2010
ID-132 <Q4.25> answer d is not quite -> answer c is not quite

CMQ Exam, Install 5.02, Program 4.0.6, Database 6.0.0, Build 5.02, September 27, 2010
ID-377 <revised explanation> Answer C -> Answer B

CMQ Exam, Install 5.01, Program 4.0.6, Database 6.0.0, Build 5.01, July 16, 2010
ID-146 <replaced drawing>
ID-190 <2 places> SAE AS 9000 -> SAE AS 9100

CMQ Exam, Install 5.00, Program 4.0.6, Database 6.0.0, Build 5.0, July 13, 2010
<Initial release of new version>

CMQ Instructor Digital

CMQ_Instructor_2010_008.pdc, October 27, 2011
Intro-1 (1) 007 -> 008
VI-46 (392) <two places> UCL -> LCL

CMQ_Instructor_2010_007.pdc, August 29, 2011
Intro-1 (1) 004 -> 007
VI-43 (389) $LCL_{\bar{x}} = \bar{X} + A_2 \bar{R}$ -> $LCL_{\bar{x}} = \bar{X} - A_2 \bar{R}$

CMQ_Instructor_2010_004.pdc, September 9, 2010
Intro-1 (1) 003 -> 004
Intro-5 (5) SUPPLER MANAGEMENT -> SUPPLIER MANAGEMENT

Quality Council of Indiana - Certified Manager of Quality (CMQ)

CMQ_Instructor_2010_003.pdc, July 19, 2010
Intro-1 (1) 003 Release of updated edition

CMQ Instructor PDF CD

CMQ Instructor PDF, 008, Install 6.03, Adobe 7.0, October 27, 2011
Intro-1 (1) 007 -> 008
VI-46 (392) <two places> UCL -> LCL

CMQ Instructor PDF, 007, Install 6.02, Adobe 7.0, August 29, 2011
Intro-1 (1) 004 -> 007
VI-43 (389) $LCL_{\bar{x}} = \bar{x} + A_2 \bar{R}$ -> $LCL_{\bar{x}} = \bar{x} - A_2 \bar{R}$

CMQ Instructor PDF, 004, Install 6.01, Adobe 7.0, September 9, 2010
Intro-1 (1) 003 -> 004
Intro-5 (5) SUPPLER MANAGEMENT -> SUPPLIER MANAGEMENT

CMQ Instructor PDF, 003, Install 6.00, Adobe 7.0, July 19, 2010
Intro-1 (1) 003 Release of updated edition

Quality Council of Indiana - Certified Quality Auditor (CQA)

CQA Primer, 7th Edition, January, 2011

CQA Primer, 003, October 19, 2011

Intro-3 002 -> 003
III-62 <Q3.66 delete one blank line>
V-45 Auditees and -> Auditees, and
X-28 <Q9.44> b -> c

CQA Primer, 002, May 24, 2011

Intro-3 001 -> 002
X-27 <Q4.11> b -> c

CQA Primer, 001, March 8, 2011

Intro-3 000 -> 001
X-27 3.17 b -> a, 3.35 b -> c

CQA Primer, 000, January 3, 2011

Intro-3 000 Initial Release

CQA Solutions Text

CQA Solutions, 003, October 19, 2011

Intro-3 002 -> 003
161 Answer b is correct -> Answer c is correct
<minor text alignment changes made>

CQA Solutions, 002, May 24, 2011

Intro-3 001 -> 002

CQA Solutions, 001, March 8, 2011

Intro-3 000 -> 001
37 <3.17> Answer b -> Answer a
44 <3.35> Answer b -> Answer c

CQA Solutions, 000, January 3, 2011

Intro-3 000 Initial Release

CQA Exam CD

CQA Exam, Install 5.03, Program 4.0.6, Database 2.0.0 October 19, 2011

ID-384 Answer B is correct -> Answer C is correct

CQA Exam, Install 5.02, Program 4.0.6, Database 2.0.0 March 8, 2011

ID-151 <corrected Q4.11 answer to b>

CQA Exam, Install 5.01, Program 4.0.6, Database 2.0.0 March 8, 2011

ID-85 <3.17> Answer b -> Answer a
ID-103 <3.35> Answer b -> Answer c

CQA Exam, Install 5.00, Program 4.0.6, Database 2.0.0 January 4, 2011

CQA Instructor Digital

CQA Instructor PDC, 000, January 5, 2011

Intro-1 (1) 000

CQA Instructor PDF CD

CQA Instructor PDF, 000, Install 5.00, Adobe 7.0, January 4, 2011

Intro-1 (1) 000

Quality Council of Indiana - Certified Quality Engineer (CQE)

CQE Primer, 8th Edition, September, 2006

CQE Primer, 017, January 6, 2012, CQE_Primer_2006_017.pdc

Intro-3 016 -> 017
III-59 <added> Note that the Taguchi loss function, presented later in this Section, states that losses (costs) increase as one moves away from the desired target value.
IV-70 <Revised Example 4.2 for MTTF and MTBF>
VI-81 <delete> Note that the R&R determination ... "long method."
IX-39 cloudiness -> cloudy day
X-30 Number of Defects -> Number of Defects/Unit
XI-41 sigma = 1.61 -> sigma = 1.54

CQE Primer, 016, March 15, 2010, CQE_Primer_2006_016.pdc

Intro-3 015 -> 016
X-19 <bottom of table> $\sum X$ -> $\sum X$ bar, MX bar -> MX bar bar
<All pages> <aligned headers>

CQE Primer, 015, October 5, 2010, CQE_Primer_2006_015.pdc

Intro-3 014 -> 015
VII-4 Shows how various causes interact -> Visually shows how various causes can combine to create a problem
X-27 49.12 -> 49.21 49.34 -> 49.38

CQE Primer, 014, March 5, 2010, CQE_Primer_2006_014.pdc

Intro-3 013 -> 014
VI-51 High frequency sound waves will not travel through air. -> In air, attenuation of sound waves increases with frequency. High frequency sound waves are absorbed more than lower frequency waves.
X-61 has values -> has symmetrical values
XI-30 [change $\langle \mu \rangle$ -> $\langle \sigma \rangle$] in first 3 equations for X bar vs $\langle \mu \rangle$, X bar vs X bar and S^2 vs $\langle \mu \rangle^2$
XII-2 <alignment of graphic>

CQE Primer, 013, January 12, 2010, CQE_Primer_2006_013.pdc

Intro-3 012 -> 013
<improved clarity of graphics> Multiple pages
<improved clarity of equations> Multiple pages
II-15 (1904 -) -> (1904 - 2008)
IV-79 <Fig 4.40> Period of Early Failures -> Infant Mortality Period
IV-101 <Q4.23> $-\log_{10}$ -> $-10 \log_{10}$
VI-82 $1/d^2$ -> $1/d^2$ * <several places>
VI-92 <Q6.13> σ_1 -> σ
VII-25 CSSBB -> CQE <several places>
VII-37 AND was replaced with a different AND diagram
IX-57 <numerator> v -> v_1x
X-32 <replaced p-chart>
XI-114 <Listing of Factors and Levels corrected>

CQE Primer, 012, October 29, 2008

Intro-3 011 -> 012
IV-25 <in equation> y^2 -> $(y \text{ bar})^2$
IV-26 Functional Limit: A_i -> Tolerance Specification: Δ_i
IV-95 <two equations> σ^2_x -> σ^2_y
V-65 <Q5.6> reworded question
VIII-18 Seiko -> Seiri Seiketso -> Seiketsu <add description of Japanese elements>
VIII-50 <Q8.15> Seiko -> Seiri Seiketso -> Seiketsu
IX-59 <corrected f(x) equation, changed tau to gamma function>
X-25 <add> The moving average may also be used as a simple method of forecasting future values.

Quality Council of Indiana - Certified Quality Engineer (CQE)

XI-16 profitable, assuming -> profitable. Assuming
XII-27 Seiketso -> Seiketsu Seiko -> Seiri <add> Shine VIII-18
XII-28 <add> Sustain VIII-18

CQE Primer, 011, June 9, 2008

Intro-3 010 -> 011
VI-91 <Q6.3> is a suspected -> is suspected

CQE Primer, 010, January 31, 2008

Intro-3 009 -> 010
II-50 Contact Consultan -> Contact Consultant
II-104 summarize below -> summarized below
III-12 procedures, and a description of QMS -> procedures, (or references to them) and a description of the interactions of QMS
III-25 could effect the QMS -> could affect the QMS
III-54 after deliver or shipment -> after delivery or shipment
furnishing of a service, to -> furnishing a service to
III-57 that for every \$1 -> that every \$1
VI-16 manufactures -> manufacturers
VI-66 will determined -> will be determined
IX-11 represents a coded -> represent a coded
IX-49 <corrected formula from CSSBB VII-45>
X-37 conditions could -> conditions that could

CQE Primer, 009, January 31, 2008

Intro-3 008 -> 009
XI-71 r^2 will equal +1 or -1 only -> r^2 will equal +1 only

CQE Primer, 008, January 14, 2008

Intro-3 007 -> 008
X-35 <corrected 2 equations to add 3 before sqrt(4.6)>

CQE Primer, 007, December 17, 2007

Intro-3 006 -> 007
IX-61 <2 places> Probability -> Probability of occurrence
X-2 <UCL_MR corrected location of {bar}>
XI-52 0.8 -> -0.8 82.2 -> 88.2
XII-12 <X - S> UCL_R -> UCL_S LCL_R -> LCL_S

CQE Primer, 006, May 7, 2007

Intro-3 005 -> 006
V-9 <11> key input variable -> key output variable
VII-37 <corrected latest times for 3 -> 5 -> 6 -> 7 events>
XI-119 <changed font 10 pt -> 9 pt>
XI-120 <Q11.33> following characteristics apply to the Latin -> following is a true characteristic of the Latin b. Interest is centered determining -> The design is ideal for determining
XII-32 <Q11.33> a -> d

CQE Primer, 005, April 18, 2007

Intro-3 004 -> 005
IV-30 energy conversation -> energy conservation

CQE Primer, 004, February 27, 2007

Intro-3 003 -> 004
III-33 <4.1> 40 -> 45
VI-39 AIAG (1995)3 -> AIAG (2002)3
VI-67 AIAG (1995)3 -> AIAG (2002)3
VI-68 AIAG MSA (1995)3 -> AIAG MSA (2002)3

Quality Council of Indiana - Certified Quality Engineer (CQE)

VI-77 AIAG (1995)3 -> AIAG (2002)3
X-12 <Figure 10.5> X bar -> X bar bar LCLR = 1.9 -> LCLR = 0
XI-32 (0.0057) -> (0.0057)2 (0.0115) -> (0.0115)2

CQE Primer, 003, November 8, 2006

Intro-3 002 -> 003
VI-92 <Q6.12 changed wording in answer choices a, c>

CQE Primer, 002, October 20, 2006

Intro-3 001 -> 002
VI-81 <last row in table> R1 bar -> R1 bar bar
VI-82 < Repeat eq> R1 bar -> R1 bar bar < Repro eq> 0524 -> 0.524
X-17 <first eq> s -> s bar
X-21 Averages Ranges -> Measurement Range
XII-31 <Q6.12> <answer> b -> d

CQE Primer, 001, September 13, 2006

I-2 robust design to Section VI. -> robust design to Section IV.

CQE Primer, 001, August 28, 2006

Intro-3 000 -> 001
I-5 (mid-page) Kill Z1.9-1993 (not needed)
II-30 (mid-page) August, 2008 (not 2005)
II-31 (last paragraph) Made him and he into he/she
III-32 (2nd bullet) To (not T)
IV-29 (near bottom) Underlined function and performance
IV-88 (in title) Made logic symbols into logic (gate) symbols
V-3 (heading) Changed to the same as previous page, V-2
V-8 Figure 5.2 not 11.2
V-11 Figure 5.3 not 11.3
V-29 (2nd line) Changed "was illustrated earlier" to "will be illustrated later"
V-30 (2nd paragraph) Kill first 5 words
V-47, 51, 52 Made level into limits in charts
IX-9 Killed last paragraph - a repeat
IX-61 N=60, n=30 goes with hypergeometric not binomial
XI-60 (3rd line) tem=ten
XI-86 Killed dangers of non-statistical experimentation (repeat of material on XI-74/75)
Minor changes made on the following pages: I-8, II-18, 21, 26, 27, 39, 51, 68, 69, 78, 79, 104, 110, 113, 114, 115; III-8, 11, 20, 31, 36, 41; IV-5, 76, 79, 93, 96, 97; V-6, 9, 26, 28, 32, 35, 36, 62, 63, 64; VI-37, 60; VII-24, 42; VIII-8, 28; IX-2, 29, 34, 39, 42, 44, 68; X-8, 17, 64, 68; XI-36, 52, 98, 100, 116; XII-18, 19

CQE Primer, 000, August 1, 2006, Eighth Edition, dated September 1, 2006

CQE Solutions Text

CQE Solutions, 008, October 5, 2010

Intro-3 007 -> 008
106 <Q8.21c> C. -> c.

CQE Solutions, 007, January 8, 2010, CQE_Solutions_2006_007.pdc

Intro-3 006 -> 007
<improved clarity of graphics> Multiple pages
<improved clarity of equations> Multiple pages
40 <Q4.23> -log₁₀ -> -10 log₁₀
130 <Q10.2> <delete> Items I and III may be false.
139 <Q10.14> <shade figures>
164 <Q11.31> L4 is regarded -> L4 can be regarded

Quality Council of Indiana - Certified Quality Engineer (CQE)

CQE Solutions, 006, October 29, 2008

Intro-3 005 -> 006
58 <Q5.6> reworded question and explanation
104 <Q8.15> Seiko -> Seiri Seiketso -> Seiketsu

CQE Solutions, 005, June 9, 2008

Intro-3 004 -> 005
34 <Q4.9> those deires is -> those desires is
71 <Q6.3> is a suspected -> is suspected

CQE Solutions, 004, December 17, 2007

Intro-3 003 -> 004
154 <Q11.12> Section XI - 104 and 112 -> XI - 51

CQE Solutions, 003, May 7, 2007

Intro-3 002 -> 003
165 <Q11.33> following characteristics apply to the Latin -> following is a true characteristic of the Latin b. Interest is centered determining -> The design is ideal for determining

CQE Solutions, 002, November 8, 2006

Intro-3 001 -> 002
75 <Q6.12 changed wording in answer choices a, c and explanation>

CQE Solutions, 001, October 20, 2006

Intro-3 -> 001
75 <Q6.12> Pneumatic ... -> Note that a negative ... <answer> b -> d

CQE Solutions, 000, August 1, 2006

CQE Exam CD

CQE Exam, Install 9.10, Program 4.0.6, Database 2.0.0 May 24, 2010

ID-935 (48) -> (0.483)

CQE Exam, Install 9.09, Program 4.0.6, Database 2.0.0 March 5, 2010

ID-698 <c> High frequency sound will not travel through air -> High frequency sound is attenuated in air

CQE Exam, Install 9.09, Program 4.0.6, Database 2.0.0 February 16, 2010

ID-221 <characters should be delta>
ID-306 <symbol intersect>
ID-335 <text in explanation table slipped>
ID-336 <text in explanation table slipped>
ID-580 Section V -> Section IV
ID-586 <equation symbols>
ID-684 <90 degree symbol>
ID-84 <move answers to ABCD>
ID-115 <move answers to ABCD>
ID-175 <move answers to ABCD>
ID-362 <move answers to ABCD>
ID-364 <move answers to ABCD>
ID-366 <move answers to ABCD>
ID-375 <move answers to ABCD>
ID-377 <move answers to ABCD>
ID-389 <move answers to ABCD>
ID-524 <move answers to ABCD>
ID-563 <move answers to ABCD>
ID-571 <move answers to ABCD>
ID-572 <move answers to ABCD>

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ID-601 <move answers to ABCD>
ID-616 <move answers to ABCD>
ID-942 <move answers to ABCD>
ID-947 <move answers to ABCD>
ID-960 <move answers to ABCD>
ID-970 <move answers to ABCD>
ID-981 <move answers to ABCD>

CQE Exam, Install 9.08, Program 4.0.6, Database 2.0.0 January 12, 2010

ID-99 <Q4.23> $-\log_{10}$ -> $-10 \log_{10}$
ID-191 <Q6.13> σ_1 -> σ
ID-916 The lower control -> The upper control

CQE Exam, Install 9.07, Program 4.0.6, Database 2.0.0 November 10, 2009

ID-864 <corrected alignment of questions>

CQE Exam, Install 9.06, Program 4.0.6, Database 2.0.0 April 8, 2009

<New program, did not change database> (database is March 23, 2009)

CQE Exam, Install 8.19, Program 3.0.2, October 29, 2008

ID-144 <Q5.6> reworded question and explanation

CQE Exam, Install 8.18, Program 3.0.2, October 23, 2008

ID-269 Seiko -> Seiri Seiketso -> Seiketsu
ID-889 <A:> term after expansion -> term before expansion

CQE Exam, Install 8.16, Program 3.0.2, August 26, 2008 (database is June 6, 2008)

<Updated install program, did not change database>

CQE Exam, Install 8.15, Program 3.0.2, August 25, 2008 (database is June 6, 2008)

<Updated install and execution programs, did not change database>

CQE Exam, Install 8.14, Program 2.7.0, June 25, 2008

<Updated install and execution programs, did not change database>

CQE Exam, Install 8.12, Program 3.0.0, June 6, 2008

<Updated install and execution programs, did not change database>

CQE Exam, Install 8.11, Program 2.7.0, December 19, 2007

<Added password>

CQE Exam, Install 8.10, Program 2.7.0, November 14, 2007

ID-559 Section IV - 93/94 -> Section IV - 73/74

CQE Exam, Install 8.09, Program 2.7.0, June 4, 2007

ID-372 Section XI - 104 and 112. -> Section X - 51.
ID-800 Answer B -> Answer D

CQE Exam, Install 8.08, Program 2.7.0, May 7, 2007

ID-393 following characteristics apply to the Latin -> following is a true characteristic of the Latin
b. Interest is centered determining -> The design is ideal for determining

CQE Exam, Install 8.07, Program 2.7.0, March 26, 2007

ID-454 Consider the following quality cost -> Consider the following cost

CQE Exam, Install 8.06, Program 2.7.0, March 26, 2007

ID-738 <changed answer D to:> The use of Pareto diagrams

Quality Council of Indiana - Certified Quality Engineer (CQE)

CQE Exam, Install 8.05, Program 2.7.0, November 8, 2006
ID-190 <Q6.12 changed wording in answer choices a, c>

CQE Exam, Install 8.04, Program 2.7.0, October 31, 2006
ID-844 Answer B is correct -> Answer D is correct
ID-872 If the scale parameter -> If the shape parameter

CQE Exam, Install 8.03, Program 2.7.0, October 20, 2006
190 <Q6.12> Pneumatic ... -> Note that a negative ... <answer> b -> d

CQE Exam, Install 8.01, Program 2.7.0, August 14, 2006

CQE Exam, Install 8.00, Program 2.7.0, August 1, 2006

CQE Instructor Digital

CQE_Instructor_2006_017.pdc, January 9, 2012

Intro-1 (1) 015 -> 017
III-59 (326) <added> Note that the Taguchi loss function, presented later in this Section, states that losses (costs) increase as one moves away from the desired target value.
IV-70 (455) <Revised Example for MTTF and MTBF>
VI-81 (764) <delete> Note that the R&R determination ... "short method."
IX-39 (950) cloudiness -> cloudy day
X-30 (1021) Number of Defects -> Number of Defects/Unit

CQE_Instructor_2006_015.pdc, October 15, 2010

Intro-1 (1) 014 -> 015
VI-84 (768) <updated table values to match correct ones in Primer>

CQE_Instructor_2006_014.pdc, March 5, 2010

Intro-1 (1) 013 -> 014
VI-46 (701) to VI-63 (734) DESTRUCTIVE TESTS -> NONDESTRUCTIVE TESTS
X-61 (1057) has values -> has symmetrical values
XI-30 (1111) [change μ -> σ] in first 3 equations for \bar{X} vs μ , \bar{X} vs \bar{X} and S^2 vs μ^2
XII-2 (1210) <alignment of graphic>

CQE_Instructor_2006_013.pdc, January 19, 2010

Intro-1 (1) 012 -> 013
<improved clarity of graphics> Multiple pages
<improved clarity of equations> Multiple pages
II-15 (64) (1904 -) -> (1904 - 2008)
IV-79 (471) <Fig 4.40> Period of Early Failures -> Infant Mortality Period
VI-82 (765) $1/d^2$ -> $1/d^2$ * <several places>
VII-25 (811) CSSBB -> CQE <several places>
VII-37 (823) AND was replaced with a different AND diagram
IX-57 <numerator> v -> v_1x
X-32 <replaced p-chart>
XI-114 <Listing of Factors and Levels corrected>

CQE Instructor PDF CD

CQE Instructor PDF, 017, Install 8.10, January 9, 2012

Intro-1 (1) 015 -> 017
III-59 (326) <added> Note that the Taguchi loss function, presented later in this Section, states that losses (costs) increase as one moves away from the desired target value.
IV-70 (455) <Revised Example for MTTF and MTBF>
VI-81 (764) <delete> Note that the R&R determination ... "short method."
IX-39 (950) cloudiness -> cloudy day
X-30 (1021) Number of Defects -> Number of Defects/Unit

Quality Council of Indiana - Certified Quality Engineer (CQE)

CQE Instructor PDF, 015, Install 8.09, October 15, 2010

Intro-1 (1) 014 -> 015
VI-84 (768) <updated table values to match correct ones in Primer>

CQE Instructor PDF, 014, Install 8.08, April 23, 2010

Resumed selling Instructor PDF CD

CQE Instructor PDF, 012, Install 8.07, October 30, 2008

Intro-1 (1) 006 -> 012
III-54 (320) furnishing of a service, to -> furnishing a service to
after deliver or shipment -> after delivery or shipment
IV-25 (390) <in equation> y^2 -> $(y \text{ bar})^2$
IV-26 (392) Functional Limit: A_i -> Tolerance Specification: Δ_i
IV-95 (500) <two equations> σ^2_x -> σ^2_y
VI-16 (647) manufactures -> manufacturers
VI-91 (773) <Q6.3> is a suspected -> is suspected
VII-37 (823) <corrected latest times for 3 -> 5 -> 6 -> 7 events>
VIII-18 (856) Seiko -> Seiri Seiketso -> Seiketsu
VIII-18 (857) <add Shine, Standardize> Standardize -> Sustain
IX-11 (916) represents a coded -> represent a coded
IX-49 (963) <corrected bivariate distribution formula>
IX-59 (972) <corrected f(x) equation, changed tau to gamma function>
IX-61 (974) <2 places> Probability -> Probability of occurrence
X-37 (1025) conditions could -> conditions that could
XI-52 (1132) 0.8 -> -0.8 82.2 -> 88.2
XI-71 (1155) r^2 will equal +1 or -1 only -> r^2 will equal +1 only
XII-12 (1219) <X - S> UCL_R -> UCL_S LCL_R -> LCL_S

CQE Instructor PDF, 006a, Install 8.05, November 28, 2007

Intro-1 (1) 006 -> 006a <turned off ability to print>

CQE Instructor PDF, 006, Install 8.04, May 9, 2007

Intro-1 (1) 003 -> 006
III-33 (286) <4.1> 40 -> 45
V-9 (521) <11> key input variable -> key output variable
VI-38 (687) AIAG (1995)3 -> AIAG
VI-67 (740) AIAG (1995)3 -> AIAG
VI-68 (743) AIAG MSA (1995)3 -> AIAG MSA
VI-77 (757) AIAG (1995)3 -> AIAG
VII-37 (823) <corrected latest times for 3 -> 5 -> 6 -> 7 events>
X-12 (999) <Figure 10.5> \bar{X} -> $\bar{\bar{X}}$ LCLR = 1.9 -> LCLR = 0
XI-120 (1207) <Q11.33> following characteristics apply to the Latin -> following is a true characteristic of
the Latin b. Interest is centered determining -> The design is ideal for determining.
Answer a -> d

CQE Instructor PDF, 003, Install 8.03, November 9, 2006

Intro-1 (1) 002 -> 003
VI-70 (454) <in 2 formulas> Total items tested -> Total operating hours

CQE Instructor PDF, 002, October 23, 2006

Intro-1 (1) 000 -> 002
VI-81 (764) <last row in table> $R_1 \text{ bar}$ -> $R_1 \text{ bar bar}$
VI-82 (765) <Repeat eq> $R_1 \text{ bar}$ -> $R_1 \text{ bar bar}$ <Repro eq> 0524 -> 0.524
X-17 (1004) <first eq> s -> s bar
X-21 (1010) Averages Ranges -> Measurement Range

CQE Instructor PDF, 000, Install 8.01, Adobe 7.0, August 29, 2006

Note the 000 PDF matches the 001 Primer.

Quality Council of Indiana - Certified Quality Inspector (CQI)

CQI Primer, 6th Edition, October, 2011

CQI Primer, 001, January 24, 2012

Intro-3 000 -> 001

II-54 <Q2.60> triangle -> oblique triangle, ans. b -> Two angles, ans. d. -> The area and one angle

CQI Primer, 000, October, 2011

Intro-3 000 <started selling September 29, 2011>

CQI Solutions Text

CQI Solutions, 001, January 24, 2012

1 <Q2.1 Explanation> $A = B^2 + C^2 \rightarrow A^2 = B^2 + C^2$

33 <Q2.60> triangle -> oblique triangle, ans. b -> Two angles, ans. d. -> The area and one angle

CQI Solutions, 000, 2011

Intro-3 000 <started selling September 29, 2011>

CQI Exam CD

CQI Exam, Install 6.05, Program 4.0.6, Database 2.0.0, February 1, 2012

ID-768 attributes -> attributes

CQI Exam, Install 6.04, Program 4.0.6, Database 2.0.0, January 24, 2012

ID-1 <Q2.1 Explanation> $A = B^2 + C^2 \rightarrow A^2 = B^2 + C^2$

ID-60 <Q2.60> triangle -> oblique triangle, ans. b -> Two angles, ans. d. -> The area and one angle

CQI Exam, Install 6.03, Program 4.0.6, Database 2.0.0, September 15, 2011

CQI Instructor Digital

CQI Instructor PDC, 000, September 29, 2011

Intro-1 (1) 001

CQI Instructor PDF CD

CQI Instructor PDF, 000, Install 6.00, Adobe 7.0, September 29, 2011

Intro-1 (1) 001

Quality Council of Indiana - Certified Quality Improvement Associate (CQIA)

CQIA Primer, 2nd Edition, June, 2006

CQIA Primer, 010, September 13, 2010

Intro-3 009 -> 010
III-28 (1904 -) -> (1904 - 2008)
VI-27 <Q6.7b> Reengineering -> Pareto Analysis

CQIA Primer, 009, June 16, 2009

Intro-3 008 -> 009
Intro-5 VII-9, VII-17, VII-18, VII-20, VII-23 -> VI-9, VI-17, VI-18, VI-20, VI-23

CQIA Primer, 008, December 18, 2008

Intro-3 007 -> 008
III-28 (1988) -> (1988)^8
III-29 (1988) -> (1988)^8
III-37 (1988) -> (1988)^8
III-40 <add reference> Juran on Planning for Quality.
III-2/40 <reprinted all pages>
IV-2 affecting them. -> affects them.
IV-7 co-operative -> cooperative
IV-12 support team activities. -> support the following team activities:
V-13 humor is needed. -> humor are needed.

CQIA Primer, 007, October 27, 2008

Intro-3 006 -> 007
VI-8 checking routing. -> checking routine.

CQIA Primer, 006, October 24, 2008

Intro-3 005 -> 006
II-43 <Q2.48> B. -> b. Seiko -> Seiri
II-44 <Q2.52> Seiko -> Seiri
III-44 <Q3.47> Seiko -> Seiton
VI-8 Seiko -> Seiri Seiketso -> Seiketsu <added the following text>
The approximate American equivalents are:
Sort: Separate out all that is unneeded and eliminate it.
Straighten: Put everything in order, everything has a place.
Scrub (Shine): Clean everything, make the workplace spotless.
Systematize (Standardize): Make cleaning and checking routing.
Sustain: Commit to the previous 4 steps and improve on them.
VI-29 <Q6.29> seiko -> seiri
VI-29 <Q6.34> Seiton -> seiton
X-10 Seiketso -> Seiketsu Seiko -> Seiri
<add> Scrub, Shine, Sort, Standardize, Straighten VI-8
X-10 <add> Sustain, Systematize VI-8

CQIA Primer, 005, May 28, 2008

Intro-3 004 -> 005
V-27 <Q5.6d> directive -> a delegator
X-13 <Q5.6> c -> a

CQIA Primer, 004a, January 30, 2008

IV-18 <Q4.16b corrected alignment>

CQIA Primer, 004, January 14, 2008

Intro-3 003 -> 004
VII-39 <corrected 2 equations to add 3 before sqrt(4.6)>

CQIA Primer, 003, February 27, 2007

Intro-3 002 -> 003

Quality Council of Indiana - Certified Quality Improvement Associate (CQIA)

III-8	<4.1> 40 -> 45	<add> 7.6, 70
CQIA Primer, 002, September 8, 2006		
Intro-3	001 -> 002	
Intro-6	are available -> is available	
II-7	third party -> third-party	
II-8	written or spoken, directions -> written, or spoken directions	
II-14	ISO 9000 -> ISO 9001	
II-19	winners, or Deming -> winners or Deming	
II-24	coopertion, information -> cooperation and information	
II-26	<2 places> Flowchart -> Flow Chart	
II-28	Flowchart -> Flow Chart	Flowcharting -> Flow charting
II-30	<2 places> Flowchart -> Flow Chart	
II-31	variation there -> variation, there	supervision -> supervisors
III-2/40	<reference tags were wrong, reprinted entire Section>	
III-9	spoke and wrote -> spoke, and wrote	
III-21	cost of warranty -> warranty costs	
III-35	project -> projects	
III-36	Juran and Crosby -> Juran, and Crosby	
III-36	Deming and Juran -> Deming, and Juran	
III-37	Juran and Crosby -> Juran, and Crosby	
III-38	Juran and Crosby -> Juran, and Crosby	
III-39	<2 places> Juran and Crosby -> Juran, and Crosby	
III-42	<Q3.15> Which two of the -> Which of the	
IV-2	efficiencies of the company -> and external efficiencies of a company	
IV-3	reduce costs. -> reduce costs	
IV-6	team organizational -> team's organizational	
IV-9	roles generally a facilitator. -> roles. The team leader:	
V-12	experience and knowledge -> experience, and knowledge	
V-13	the manager -> the sponsoring manager	
V-14	They often -> Team members often	teams members -> team members
V-20	sponsors and upper -> sponsors, and upper	
V-25	cause and effect -> cause-and-effect	
VI-4	Break Through -> Breakthrough	
VI-5	pilotprojects then implementation -> pilot projects then implemented	
VI-6	<3 places> Six Sigma -> Six sigma	
VI-7	6 sigma -> six sigma	
VI-8	Processing -> Additional processing	
VI-10	Motion -> Wasted Motion	Processing -> Additional Processing
VI-10	process. -> process are muda.	
VI-17	checksheets -> check sheets	
VI-18	<6 places> Checksheets -> Check sheets	
VII-2	Cause and effect -> Cause-and-effect	
VII-2	cause and effect, 4-M or -> fishbone, 4-M, or	
VII-3	Cause and Effect Fishbone -> Cause-and-Effect	
VII-3	Actual Fishbone Example -> Actual Cause-and-Effect Example	
VII-9	Process Checklist -> Process Check Sheet	24 hour -> 24-hour
VII-9	<del last paragraph which starts with "Not illustrated">	
VII-16	Dr. Joe -> Dr. Joseph	<del sentence> Pareto diagrams can ...
VII-18	Anderson, 2001 -> Anderson, 2004	
VII-21	As you may -> As one may	
VII-26	<remove mark on page>	Plots general -> Plots a general
VII-26	(the number -> (number	
VII-38	6-1-02 -> 6-1-06	
VII-55	<Q7.41> 4.41 -> 7.41	
VIII-9	quality is about -> quality are about	
VIII-11	Inspection and test -> Inspection and testing	
VIII-12	Scrap and Sorting -> Scrap and sorting	

Quality Council of Indiana - Certified Quality Improvement Associate (CQIA)

VIII-12 Returns and Scrap -> Returns and scrap
VIII-24 <2 places> second party -> second-party
VIII-24 <4 places> third party -> third-party
VIII-24 First party -> First-party
VIII-25 Third Party -> Third-Party
VIII-33 observation, measurement, or test -> observations, measurements, or tests
IX-5 money is -> money are
IX-7 over \$70 -> over \$75
IX-29 non-responses -> nonresponses
IX-31 <align bullet item>
X-5 flowchart -> flow chart
X-7 Flowchart -> Flow chart
X-9 flowchart -> flow chart
X-11 flowchart -> flow chart
X-12 flowchart -> flow chart

CQIA Primer, 001, June 16, 2006

Intro-3 001
VIII-31 <5 very minor changes including "to correct">

CQIA Primer, 000, June, 2006, release date, June 6, 2006

Intro-3 000

CQIA Solutions Text, 2nd Edition, June, 2006

CQIA Solutions, 006, January 3, 2012

Intro-3 005 -> 006
33 <Q3.38> User -> Manufacturer
51 <Q4.22> inter-departmental -> internal departmental
intra-departmental -> external departmental

CQIA Solutions, 005, September 13, 2010

Intro-3 004 -> 005
82 <Q6.7b> Reengineering -> Pareto Analysis

CQIA Solutions, 004, June 16, 2009

Intro-3 003 -> 004
24 <Q3.11> heros -> heroes
51 <Q4.31> expectes -> expects
85 <Q6.13> reengineering -> reengineering
112 <Q7.39> variabilty -> variability

CQIA Solutions, 003, October 23, 2008

Intro-3 002 -> 003
17 <Q2.48> B. -> b. Seiko -> Seiri
19 <Q2.52> Seiko -> Seiri
38 <Q3.47> Seiko -> Seiton Seiton means "orderliness" and refers to having everything in their proper place
90 <Q6.29> seiko -> seiri seiketso -> seiketsu
92 <Q6.34> seiko -> seiri seiketso -> seiketsu

CQIA Solutions, 002, May 28, 2008

Intro-3 001 -> 002
56 <Q5.6d> directive -> a delegator Answer c -> Answer a

CQIA Solutions, 001, September 7, 2006

Intro-3 000 -> 001
25 <Q3.15> Which two of the -> Which of the
113 <Q7.41> 4.41 -> 7.41

Quality Council of Indiana - Certified Quality Improvement Associate (CQIA)

116 <Q7.49> VII-40/41 -> VII-33/34 and 41/42 (partial coverage).

CQIA Solutions, 000, June, 2006, release date, June 6, 2006
Intro-3 000

CQIA Exam CD, 2nd Edition, June, 2006

CQIA Exam, Install 4.04, Program 4.0.6, Database 2.0.1, September 13, 2010
ID-90 <Q3.38> User -> Manufacturer

CQIA Exam, Install 4.02, Program 4.0.6, Database 2.0.1, September 13, 2010
ID-207 <Q6.7b> Reengineering -> Pareto Analysis

CQIA Exam, Install 4.01, Program 4.0.6, Database 2.0.1, June 16, 2009

ID-63 <Q3.11> heros -> heroes
ID-131 <Q4.31> expectes -> expects
ID-213 <Q6.13> reengineering -> reengineering
ID-287 <Q7.39> variabilty -> variability
ID-648 appopriate -> appropriate
ID-665 desireable -> desirable
ID-750 hinderances -> hindrances
ID-785 requeted -> requested
ID-810 Fisbone -> Fishbone
ID-811 varities -> varieties
ID-887 familiarity -> familiarity
ID-903 preventiveon -> prevention
ID-916 <2 places> Precontrol -> Pre-control
ID-954 competitive -> competitive

CQIA Exam, Install 4.00, Program 4.0.6, Database 2.0.0, May 11, 2009
<Updated install program, did not change database>

CQIA Exam, install 3.07, program 3.0.2, October 22, 2008

CQIA Exam, install 3.06, program 3.0.2, August 27, 2008 (database is May 28, 2008)
<Updated install and execution programs, did not change database>

CQIA Exam, install 3.05, program 3.0.0, May 28, 2008
ID-142 <Q5.6d> directive -> a delegator Answer c -> Answer a

CQIA Exam, install 3.03, program 2.7.0, December 19, 2007
<Added password>

CQIA Exam, install 3.02, program 2.7.0, September 8, 2006

CQIA Exam, install 2.00, program 2.7.0, September 7, 2006
ID-67 <Q3.15> Which two of the -> Which of the
ID-297 <Q7.49> VII-40/41 -> VII-33/34 and 41/42 (partial coverage).

CQIA Exam, install 3.01, program 2.7.0, June 6, 2006

CQIA Instructor PDF CD, 2nd Edition, June, 2006

CQIA Instructor PDF, 010, install 2.07, September 13, 2010
Intro-1 (1) 009 -> 010
III-28 (118) (1904 -) -> (1904 - 2008)
VI-27 (270) <Q6.7b> Reengineering -> Pareto Analysis

CQIA Instructor PDF, 009, install 2.06, June 16, 2009
Intro-1 (1) 008 -> 009

Quality Council of Indiana - Certified Quality Improvement Associate (CQIA)

Intro-5 (3) VII-9 -> VI-9
Intro-5 (4) VII-17, VII-18, VII-20, VII-23 -> VI-17, VI-18, VI-20, VI-23

CQIA Instructor PDF, 008, install 2.05, December 19, 2008

Intro-1 (1) 007 -> 008
III-39 (129) <delete> (Tantara, 2000)
IV-7 (145) co-operative -> cooperative

CQIA Instructor PDF, 007, install 2.04, October 28, 2008

Intro-1 (1) 000a -> 007
II-26 (65) Flowchart -> Flow Chart
II-44 (82) <Q2.52> Seiko -> Seiri
III-8 (96) <4.1> 40 -> 45
III-21 (111) cost of warranty -> warranty costs
V-27 (223) <Q5.6d> directive -> a delegator <Q5.6> c -> a
VI-6 (237) <2 places> Six Sigma -> six sigma
VI-8 (243) Seiko -> Seiri Seiketso -> Seiketsu <added the following text>
The approximate American equivalents are:
Sort: Separate out all that is unneeded
Straighten: Put everything in order
Scrub (Shine): Clean everything
Systematize (Standardize): Make cleaning routine
Sustain: Commit to the previous 4 steps and improve on them
VII-21 (305) As you may -> As one may
VIII-9 (365) quality is about -> quality are about
VIII-11 (369) Inspection and test -> Inspection and testing
VIII-12 (370) Scrap and Sorting -> Scrap and sorting
VIII-12 (371) Returns and Scrap -> Returns and scrap
VIII-24 (388) second party -> second-party <3 places> third party -> third-party
VIII-25 (389) Third Party -> Third-Party
IX-5 (423) money is -> money are (Peters, 1987)
IX-29 (462) non-responses -> nonresponses

CQIA Instructor PDF, 000, install 2.01, September 7, 2006

Intro-1 (1) 000

Quality Council of Indiana - Certified Quality Process Analyst (CQPA)

CQPA Primer, 1st Edition, January, 2006

CQPA Primer, 008, November 23, 2011

Intro-3 007 -> 008
Intro-6 <changed Alignment table to two lines, letters in order of appearance>
III-18 <moved row of Well Functioning ... to top>
IV-35 <moved graphic down>
II-2 to XI-42 <added BOK element in header, converted equations>

CQPA Primer, 007, August 4, 2011

Intro-3 006 -> 007
II-43 Sayle (1999) -> Sayle (1997)

CQPA Primer, 006, July 11, 2011

Intro-3 005 -> 006
Intro-3/6 <Footer> 2005 -> 2006
III-1/52 <Footer> 2005 -> 2006
IV-1/50 <Footer> 2005 -> 2006
XI-47 <Q11.23> A. -> a.

CQPA Primer, 005, September 10, 2010

Intro-3 004 -> 005
IX-20 X -> x Y -> y
IX-21 <updated equation formats> X -> x Y -> y
IX-22 <updated equation formats> Y -> y <moved text up from next page>
IX-23 <updated equation formats> <moved Least Squares Example up from next page>
IX-24 <updated equation formats> <moved Ex 9.9 and Hints up from next page>
IX-25 <added σ_e^2 calculations>
IX-26 <updated equation formats>
XII-25 Hints on regression IX-25 -> IX-24
XII-26 Least squares IX-22-IX-25 -> IX-22-IX-24
Least squares, example IX-22-IX-25 -> IX-22-IX-24
XII-29 Regression, analysis hints IX-25 -> IX-24

CQPA Primer, 004, October 21, 2008

Intro-3 003 -> 004
IV-43 <in equation> y^2 -> $(\bar{y})^2$
IV-44 Functional Limit: A_i -> Tolerance Specification: Δ_i
V-40 Seiko -> Seiri Seiketso -> Seiketsu Standardize -> Sustain
V-63 <Q5.24> Seiko -> Seiri Seiketso -> Seiketsu
<Q5.26d align text>
IX-12 weight equal to or greater -> weight greater
XII-29 Seiko -> Seiri Seiketso -> Seiketsu <add> Sustain V-40 Shine V-40
XII-29/32 <items rolled from prior pages>

CQPA Primer, 003, April 19, 2007

Intro-3 002 -> 003
IX-19 <del reference to page VI-49, added F equation>

CQPA Primer, 002, October 20, 2006

Intro-3 001 -> 002
IV-21 Mizuno Shigeru (1988)9 -> Shigeru Mizuno (1988)8
IV-30 Shigeru (1988)9 -> Mizuno (1988)8
IV-40 Phadke (1989)8 -> Phadke (1989)9
IV-46 Shigeru, Mizuno -> Mizuno, Shigeru <also changes ref number 9 -> 8>
V-47 Shingo (1989) -> Shingo (1986)
V-49 Shingo (1989) -> Shingo (1986)
XI-7 Specific details -> Details Defines details delivery -> Defines delivery
States details payments -> States payments buyers -> buyer's

Quality Council of Indiana - Certified Quality Process Analyst (CQPA)

XII-20 Mizuno <added> IV-46
XII-21 <deleted> Shigeru, M.

CQPA Primer, 001, March 24, 2006

Intro-3 000 -> 001
IV-48 <Q4.20> facts or data -> facts, or data
IV-50 <Q4.40> Matric diagrams -> Matrix diagrams
VII-25 when has an attempt -> when an attempt
XII-13 <del at bottom> Table II
XII-14 <add at top> Table II

CQPA Primer, 000a, January 25, 2006

Intro-2 <changed page to add QCI Indiana logo>

CQPA Primer, 000, December 22, 2005

Intro-3 000

CQPA Primer, 000, December 16, 2005

CQPA Solutions Text

CQPA Solutions, 002, October 21, 2008

Intro-3 001 -> 002
15 <Q2.35> 3.35 -> 2.35
66 <Q5.24> Seiko -> Seiri Seiketso -> Seiketsu Standardize -> Sustain
160 <Q11.12a> :Deviation -> Deviation

CQPA Solutions, 001, March 24, 2006

Intro-3 000 -> 001
48 <Q4.20> facts or data -> facts, or data
55 <Q4.40> Matric diagrams -> Matrix diagrams

CQPA Solutions, 000, December 16, 2005

Intro-3 000

CQPA Exam CD

CQPA Exam, Install 2.01, Program 4.0.6, Database 2.0.0, July 11, 2011

ID-681 [proposal -> proposal

CQPA Exam, Install 2.0, Program 4.0.6, Database 2.0.0, May 26, 2009

<Updated install program, did not change database>

CQPA Exam, Install 1.07, Program 3.0.2, October 21, 2008

ID-168 Seiko -> Seiri Seiketso -> Seiketsu

CQPA Exam, Install 1.06, Program 3.0.2, August 27, 2008 (database is May 28, 2008)

<Updated install and execution programs, did not change database>

CQPA Exam, 008b, Install 1.05, Program 2.7.0, December 20, 2007

<Added password>

CQPA Exam, 000, Install 1.04, Program 2.7.0, March 24, 2006

ID-116 <Q4.20> facts or data -> facts, or data
ID-136 <Q4.40> Matric diagrams -> Matrix diagrams
ID-922 Answer B -> Answer A, questions are -> questions is

CQPA Exam, 000, Install 1.02, Program 2.7.0, December 19, 2005

CQPA Instructor PDF CD

Quality Council of Indiana - Certified Quality Process Analyst (CQPA)

CQPA Instructor PDF, 008, Install 1.04, Adobe 7.0, November 30, 2011

Intro-1 (1) 004 -> 008

I-3 (10) to I-14 (16) <Moved 2nd line of header to left>

II-2 to XI-42 <added BOK element in header, converted equations>

IX-20 (366) X -> x Y -> y

IX-23 (371) <moved Least Squares Example up from next page>

XI-47 (508) <Q11.23> A. -> a.

CQPA Instructor PDF, 004, Install 1.03, Adobe 7.0, October 22, 2008

Intro-1 (1) 001a -> 004

IV-42 (160) <in equation> y^2 -> $(\bar{y})^2$

IV-44 (162) Functional Limit: A_i -> Tolerance Specification: Δ_i

V-40 (212) Seiko -> Seiri Seiketso -> Seiketsu Standardize -> Sustain

CQPA Instructor PDF, 001a, Install 1.02, December 3, 2007

Intro-1 (1) 001 -> 001a <no printing>

CQPA Instructor PDF, 001, Install 1.01, March 27, 2006

Intro-1 (1) 000 -> 001

VII-25 (294) when has an attempt -> when an attempt

CQPA Instructor PDF, 000, Install 1.00, December 19, 2005

Quality Council of Indiana - Certified Quality Technician (CQT)

CQT Primer, 7th Edition, October, 2011

CQT Primer, 001, September 29, 2011

Intro-3 000 -> 001
IX-113 8.54 -> 9.54

CQT Primer, 000, October, 2011 (released September 2011)

Intro-3 000

CQT Solutions Text

CQT Solutions, 001, September 29, 2011

Intro-3 000 -> 001
122 8.54 -> 9.54

CQT Solutions, 000, September 28, 2011

Intro-3 000

CQT Exam CD

CQT Exam, Install 5.02, Program 4.0.6, Database 5.0.2, November 28, 2011

ID-571 remaining. -> remain. This question can also be solved using the multiplicative probability law for three independent events. <add page> and 29.

ID-612 is senseless filler -> is a distracter choice

ID-858 <add> or πr^2 . This area formula is not in the CQT Primer.

CQT Exam, Install 4.02, Program 4.0.6, Database 5.0.1, August 18, 2011

CQT Instructor Digital

CQT Instructor PDC, 001, September 29, 2011

Intro-1 (1) 001

CQT Instructor PDF CD

CQT Instructor PDF, 001, Install 4.00, Adobe 7.0, September 29, 2011

Intro-1 (1) 001

Quality Council of Indiana - Certified Reliability Engineer (CRE)

CRE Primer, 4th Edition, October 1, 2009

CRE Primer, 011, December 5, 2011

Intro-3 010 -> 011
III-57 <2nd eq> $0.2^0 \rightarrow 0.2^1$ <3rd eq> $0.2^0 \rightarrow 0.2^2$
IV-20 <Ex 4.14> $0.054 - 0.050 \rightarrow 0.54 - 0.50$
VI-52 $f(t) = e^{(-\lambda t)} \rightarrow f(t) = \lambda e^{(-\lambda t)}$
VIII-9 FEMA -> FMEA,
IX-24 $\ln t_2 - t_1 \rightarrow \ln t_2 - \ln t_1$

CRE Primer, 010, November 2, 2011

Intro-3 009 -> 010
III-104 <Q3.19a> trend of 6 points -> trend of 5 points

CRE Primer, 009, September 23, 2011

Intro-3 008 -> 009
Q3.5 replaced with new question since it was a duplicate of Q8.10
Numerous small improvements throughout the Primer

CRE Primer, 008, February 8, 2011

Intro-3 007 -> 008
V-38 $A_0 \rightarrow A$ <tolerance> $A \rightarrow A_0$ <functional>

CRE Primer, 007, December 10, 2010

Intro-3 006 -> 007
III-26 <Example 3.25> $t < 200 \rightarrow t < 2$

CRE Primer, 006, December 3, 2010

Intro-3 005 -> 006
IV-84 weights of hamburgers from three different companies -> outputs of three machines
IV-85 weights of hamburgers from three different companies -> machine means
Company -> Machines

CRE Primer, 005, October 6, 2010

Intro-3 004 -> 005
V - 93 <Q5.6.> the theory that the rate of chemical reaction doubles for each 10° C rise in operating temperature. -> a model which indicates chemical activity is a function of temperature.
V - 96 <Q5.36> The effect of when faults do occur, they do not have significant effects on the system, is a description of: -> When faults occur that do not have a significant effect on a system is a short description of:
X-44 <Q9.30> $c \rightarrow b$

CRE Primer, 004, August 2, 2010

Intro-3 003 -> 004
IX-21 <Example 9.1 add> There were 13 unfailed slides when the test was suspended at 6,000 cycles.
IX-22 <Table 9.13 add row> 7 A 6000 32.8%
IX-23 <Changed graphic and modified explanation> Maximum likelihood estimation (MLE) was used to analyze the data. The graph beta, β , (slope) is 1.713. The eta, η , (characteristic life) is 9,795 cycles,
IX-24 <changed to show using MLE with beta of 1.713, explained difference from graph>
IX-25 <changed to> 1% 668 cycles and 95% 18,585 cycles

CRE Primer, 003, November 20, 2009

Intro-3 002 -> 003
III-25 <first equation> $a/x dx \rightarrow a/x$
III-44 shape -> scale <add> The scale parameter is sometimes referred to as the shape parameter.

Quality Council of Indiana - Certified Reliability Engineer (CRE)

III-46 $\phi \rightarrow \Phi$
IV-34 <adjusted chart equation font>
VI-56 $n = 2 \rightarrow n = 25$
VII-75 <second equation> $1/A_f - t/A_f$
VII-76 5 at 180 volts \rightarrow 5 at 200 volts
VII-82 under normal conditions \rightarrow under stress conditions

CRE Primer, 002, September 9, 2009

Intro-3 001 \rightarrow 002
III-69 points for $n < 40 \rightarrow$ points for $n < 30$ <delete> implied by Table J of
III-103 <Q3.4> 0.818 \rightarrow 0.624
III-106 <Q3.37> n tests with f failures is \rightarrow n samples with f failures in the samples is

CRE Primer, 001, August 20, 2009

Intro-3 000 \rightarrow 001
VI-67 <Q6.49> <added graphic from Q6.51, which was missing>

CRE Primer, 000, October 1, 2009, started shipping on August 19, 2009

Intro-3 000

CRE Solutions Text, 2009

CRE Solutions, 010, November 2, 2011

Intro-3 009 \rightarrow 010
28 <Q3.19a> trend of 6 points \rightarrow trend of 5 points

CRE Solutions, 009, October 3, 2011

Intro-3 008 \rightarrow 009
Q3.5 replaced with new question since it was a duplicate of Q8.10

CRE Solutions, 008, October 5, 2010

Intro-3 007 \rightarrow 008
26 <Q3.15> $\exp\{-\lambda * \lambda^2 / 2!\} \rightarrow \{\exp(-\lambda)\} * \{\lambda^2 / 2!\} = \{\exp(-0.472)\} * \{0.472^2 / 2!\}$
60 <Q4.37> <reworded explanation to show why Factor B is the most significant>
64 <Q5.6.> the theory that the rate of chemical reaction doubles for each 10° C rise in operating temperature. \rightarrow a model which indicates chemical activity is a function of temperature.
76 <Q5.36> The effect of when faults do occur, they do not have significant effects on the system, is a description of: \rightarrow When faults occur that do not have a significant effect on a system is a short description of:
182 <Q9.30> Answer c is correct. \rightarrow Answer b is correct.

CRE Solutions, 007, February 16, 2010

Intro-3 006 \rightarrow 007
95 $= (0.95)(1.0)(1-U_{BCEF}) + (0.05)(R_{DEF}) \rightarrow = (0.95)(1-U_{BCEF}) + (0.05)(R_{DEF})$

CRE Solutions, 006, January 29, 2010

Intro-3 005 \rightarrow 006
19 to 38 <header> SECTION IV \rightarrow SECTION III
172 to 188 <header> SECTION VII \rightarrow SECTION IX

CRE Solutions, 005, October 13, 2009

Intro-3 004 \rightarrow 005
86 <Q5.60 Solution> always quantitative since \rightarrow always qualitative since

CRE Solutions, 004, September 9, 2009

Intro-3 003 \rightarrow 004
20 <Q3.4> 0.818 \rightarrow 0.624
36 <Q3.37> n tests with f failures is \rightarrow n samples with f failures in the samples is

Quality Council of Indiana - Certified Reliability Engineer (CRE)

CRE Solutions, 003, August 25, 2009

Intro-3 002 -> 003
40 <Q4.4> Sections XI -> Sections IV
107 <Q6.32> Section IV -> Section VI
118 <Q6.48> Sections IV -> Sections VI
149 <Q7.53> Sections VI -> Sections VII

CRE Solutions, 002, August 24, 2009

Intro-3 001 -> 002
36 <Q3.37 is wrong question, replaced with correct question and explanation>
101 <Q6.22> <add> Solution:
125 <Q6.59> Section IV -> Section VI
171 <Q8.39> Section VII -> Section VIII

CRE Solutions, 001, August 20, 2009

Intro-3 000 -> 001
119 <Q6.49> <added graphic from Q6.51, which was missing>

CRE Solutions, 000, 2009, Started shipping on August 19, 2009

Intro-3 000

CRE Exam CD

CRE Exam, Install 4.13, Program 4.0.6, Database 3.0.0, November 1, 2011

ID-67 <a> trend of 6 points -> trend of 5 points

CRE Exam, Install 4.12, Program 4.0.6, Database 3.0.0, October 3, 2011

ID-53 <replaced with new question since it was a duplicate of Q8.10>

CRE Exam, Install 4.11, Program 4.0.6, Database 3.0.0, October 6, 2010

ID-63 <Q3.15> $\exp\{-\lambda * \lambda^2 / 2!\} \rightarrow \{\exp(-\lambda)\} * \{\lambda^2 / 2!\} = \{\exp(-0.472)\} * \{0.472^2 / 2!\}$
ID-125 <Q4.37> <reworded explanation to show why Factor B is the most significant>
ID-134 <Q5.6.> the theory that the rate of chemical reaction doubles for each 10° C rise in operating temperature. -> a model which indicates chemical activity is a function of temperature.
ID-164 <Q5.36> The effect of when faults do occur, they do not have significant effects on the system, is a description of: -> When faults occur that do not have a significant effect on a system is a short description of:
ID-382 <Q9.30> Answer c is correct. -> Answer b is correct.

CRE Exam, Install 4.09, Program 4.0.6, Database 3.0.0, February 11, 2010

ID-54 Union and Intersection symbols
ID-224 RA RB RC RD etc - RA RB etc.
ID-250 <Answer D> v -> 75
ID-375 <Answer D> v -> Improve by using pertinent and valid data
ID-721 I -> <lambda>
ID-731 <equations> I -> <lambda>
ID-759 <equations> I -> <lambda>
ID-851 <degree symbol> is incorrect

CRE Exam, Install 4.05, Program 4.0.6, Database 3.0.0, November 19, 2009

ID-660 <Deleted reference to previous question>
ID-647 Answer D -> Answer C
ID-774 <Modified answers, it had two correct answers>
ID-886 <Totally reworded question>

CRE Exam, Install 4.04, Program 4.0.6, Database 3.0.0, October 19, 2009

ID-145 <changed answer choice D> V -> 1.030
ID-627 <changed correct answer from A to B>

Quality Council of Indiana - Certified Reliability Engineer (CRE)

ID-807 <changed correct answer from C to B>
ID-977 <changed correct answer from C to A>

CRE Exam, Install 4.03, Program 4.0.6, Database 3.0.0, October 12, 2009
ID-188 <Q5.60 Solution> always quantitative since -> always qualitative since

CRE Exam, Install 4.02, Program 4.0.6, Database 3.0.0, October 5, 2009
ID-393 <corrected question>
ID-474 <corrected question>

CRE Exam, Install 4.01, Program 4.0.6, Database 3.0.0, August 25, 2009

CRE Instructor Digital

CRE Instructor Digital, 011, December 5, 2011

Intro-1 (1) 010 -> 011
III-103 (295) Q3.5 replaced with new question since it was a duplicate of Q8.10
VI-52 (554) $f(t) = e^{(-\lambda)t} \rightarrow f(t) = \lambda e^{(-\lambda)t}$

CRE Instructor Digital, 010, November 1, 2011

Intro-1 (1) 009 -> 010
IV-8 (310) <first equation> $\chi \rightarrow X$
IV-9 (312) <both equations> $\chi \rightarrow X$
IV-11 (313) <both equations> $\chi \rightarrow X$ <2nd eq, right term> $2r+2 \rightarrow 2r$
IV-22 (325) <equation> $\chi \rightarrow X$
IV-23 (327) <equation> $\chi \rightarrow X$
IV-24 (328) <equation> $\chi \rightarrow X$
IV-26 (330) <equation> $\chi \rightarrow X$
IV-40 (343) <equation> $\chi \rightarrow X$
IV-82 (377) <resized equation>
IV-89 (382) <corrected text font size>
IV-92 (385) <corrected equation font size>

CRE Instructor Digital, 009, October 5, 2011

Intro-1 (1) 009 Initial release of the CRE Instructor Digital

CRE Instructor PDF CD

CRE Instructor PDF, 011, Install 1.02, Adobe 9.0, December 5, 2011

Intro-1 (1) 010 -> 011
III-103 (295) Q3.5 replaced with new question since it was a duplicate of Q8.10
VI-52 (554) $f(t) = e^{(-\lambda)t} \rightarrow f(t) = \lambda e^{(-\lambda)t}$

CRE Instructor PDF, 010, Install 1.01, Adobe 9.0, November 1, 2011

Intro-1 (1) 009 -> 010
IV-8 (310) <first equation> $\chi \rightarrow X$
IV-9 (312) <both equations> $\chi \rightarrow X$
IV-11 (313) <both equations> $\chi \rightarrow X$ <2nd eq, right term> $2r+2 \rightarrow 2r$
IV-22 (325) <equation> $\chi \rightarrow X$
IV-23 (327) <equation> $\chi \rightarrow X$
IV-24 (328) <equation> $\chi \rightarrow X$
IV-26 (330) <equation> $\chi \rightarrow X$
IV-40 (343) <equation> $\chi \rightarrow X$
IV-82 (377) <resized equation>
IV-89 (382) <corrected text font size>
IV-92 (385) <corrected equation font size>

CRE Instructor PDF, 009, Install 1.00, Adobe 9.0, October 5, 2011

Intro-1 (1) 009 Initial release of the CRE Instructor PDF

Quality Council of Indiana - Certified Software Quality Engineer (CSQE)

CSQE Primer, 4th Edition, October 13, 2008

CSQE Primer, 006, March 11, 2010

Intro-3 005 -> 006

VII-53 p = number of unconnected parts of the graph -> P = number of connected components
For a single program, p is always equal to 1

CSQE Primer, 005, February 3, 2010

Intro-3 004 -> 005

II-162 <Q2.37> to process -> to possess

IV-27 Iteration -> Iteration

CSQE Primer, 004, May 28, 2009

Intro-3 003 -> 004 <delete> Taz Daughtrey,

IX-2 <delete> Daughtrey, T. Intro-3

CSQE Primer, 003, December 8, 2008

Intro-3 002 -> 003

Multiple small changes throughout the entire CSQE Primer

CSQE Primer, 002, November 12, 2008

Intro-3 001 -> 002

Intro-7 <4 places> REQUIREMENT -> REQUIREMENTS

I-3 training, and to -> training and to

I-4 Bowyer, K. W., -> Bowyer, K. W.

I-18 Revised (2001) -> Revised 2001

III-15 "Software ... Plan" -> Software ... Plan "mean ... failure" -> mean ... failure

IV-49 to IV-154 <in header remove two space characters next to />

IV-162 <Q4.12 to Q4.22 renumbered to Q4.13 to Q4.23>

IV-163 <Q4.23 to Q4.32 renumbered to Q4.24 to Q4.33>

IV-164 <Q4.33 to Q4.44 renumbered to Q4.34 to Q4.45>

IV-165 <Q4.45 to Q4.51 renumbered to Q4.46 to Q4.52>

V-2 to V-74 <in header remove two space characters next to />

VIII-16 test and deploy -> test, and deploy

VIII-17 more efficient -> more efficient.

VIII-18 <removed italics> who, what, when, and where

on-line -> online data bases -> databases

VIII-20 cases the -> cases, the documentation if -> documentation, if

VIII-21 for actual -> for the actual versions items -> versions/items

VIII-25 of a product -> of product

VIII-26 audit. -> audits. SCIs. -> SCIs

VIII-30 (i.e. label -> (i.e., label

VIII-31 on-line -> online

VIII-33 "revision" -> revision "bug fixing." -> bug fixing.

VIII-34 (i.e. new -> (i.e., new (e.g. Code ... CMS)) -> e.g., Code ... CMS)

VIII-45 "trade-off" -> trade-off "engineering ... proposal." -> engineering ... proposal

IX-21 <IV.20> a -> c

CSQE Primer, 001, November 5, 2008

Intro-3 000 -> 001

Intro-7 SMC RATIONALE -> SCM RATIONALE SMC DEFINITIONS -> SCM DEFINITIONS

CSQE Primer, 000, Release date October 13, 2008

Intro-3 000

CSQE Solutions Text

CSQE Solutions Text, 002, , December 8, 2008

Intro-3 001 -> 002

Multiple small changes

Quality Council of Indiana - Certified Software Quality Engineer (CSQE)

CSQE Solutions Text, 001, November 12, 2008

Intro-3 000 -> 001

45 <Q4.20> Answer a -> Answer c

CSQE Solutions Text, 000, Release date October 13, 2008

Intro-3 000

CSQE Exam CD

CSQE Exam, Install 5.03, Program 4.0.6, Database 2.0.1 June 8, 2009

ID-983 Answer B Parallel build -> Distributed build <2 places>

CSQE Exam, Install 5.02, Program 4.0.6, Database 2.0.0 April 20, 2009

<Corrected database>

CSQE Exam, Install 5.01, Program 4.0.6, Database 2.0.0 April 15, 2009

<New program, did not change database> (database is April 15, 2009)

CSQE Exam, Install 4.07, Program 3.0.2, December 29, 2008

ID-443 Answer B is correct -> Answer C is correct

ID-447 Answer C is correct -> Answer B is correct

ID-482 Answer C is the correct -> Answer B is the correct

ID-765 Answer D is correct -> Answer B is correct

ID-826 software measurement. -> software measurements.

ID-946 Answer C is correct -> Answer D is correct

CSQE Exam, Install 4.06, Program 3.0.2, December 10, 2008

<a few minor question changes>

CSQE Exam, Install 4.05, Program 3.0.2, November 11, 2008

ID-125 <Q4.20> Answer a -> Answer c

CSQE Exam, Install 4.04, Program 3.0.2, October 13, 2008

CSQE Instructor PDF CD

CSQE Instructor PDF, 006, Install 3.01, Adobe 7.0, March 11, 2010

Intro-1 (1) 003 -> 006

IV-27 (459) Iteration -> Iteration

VII-53 (1075) p = number of unconnected parts of the graph -> P = number of connected components
For a single program, p is always equal to 1

CSQE Instructor PDF, 003, Install 3.0, Adobe 7.0, December 11, 2008

Intro-1 (1) 003 Initial release of Instructor PDF

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

CSSBB Primer, 2nd Edition, July, 2007

CSSBB Primer, 029, October 25, 2011, CSSBB_Primer_2007_029.pdc

Intro-3 028 -> 029
III-24 $(1.2151)^{12} \rightarrow (1.2151)^{12} - 1$
X-35 <2 places lower> UCL -> LCL
XI-9 <added Michael Joseph French information>

CSSBB Primer, 028, September 15, 2010, CSSBB_Primer_2007_028.pdc

Intro-3 027 -> 028
IX-54 <Figure 9.17> Operator 1 -> Operator 4

CSSBB Primer, 027, September 15, 2010, CSSBB_Primer_2007_027.pdc

Intro-3 026 -> 027
VII-43 <Example 7.25> $5!/5!10! \rightarrow 5!/5!0!$
IX-54 <Figure 9.17 replaced with correct figure>

CSSBB Primer, 026, May 18, 2010, CSSBB_Primer_2007_026.pdc

Intro-3 025 -> 026
VIII-101 $R \text{ bar} - 220/10 \rightarrow R \text{ bar} = 220/10$

CSSBB Primer, 025, May 10, 2010, CSSBB_Primer_2007_025.pdc

Intro-3 024 -> 025
XI-21 Case 1: <delete 1/r in equation> Case 2: <delete 1/r in equation>
<add> Some references use "r" instead of "n" in the equations for Case 1 and Case 2.

CSSBB Primer, 024, May 4, 2010, CSSBB_Primer_2007_024.pdc

Intro-3 023 -> 024
VII-35 binomial signa -> binomial sigma
VII-67 $\lambda \neq 0 \rightarrow \lambda = 0$
VII-74 $DPU = \ln(Y) \rightarrow DPU = -\ln(Y)$

CSSBB Primer, 023, April 22, 2010, CSSBB_Primer_2007_023.pdc

Intro-3 022 -> 023
III-23 $450 - 1000 \rightarrow 450 - 100$
III-24 $450 - 1000 \rightarrow 450 - 100$
VI-19 $VAT/TLT = 100 \rightarrow VAT/TLT \times 100$

CSSBB Primer, 022, March 8, 2010, CSSBB_Primer_2007_022.pdc

Intro-3 021 -> 022
V-23 <1. paragraph deleted sentence> "American tourists ... Olympic Games approach."

CSSBB Primer, 021, March 4, 2010, CSSBB_Primer_2007_021.pdc

Intro-3 020 -> 021
VIII-58 [change <mu> -> <sigma>] in first 3 equations for X bar vs <mu>, X bar vs X bar and S^2 vs <mu>²

CSSBB Primer, 020, November 19, 2009, CSSBB_Primer_2007_020.pdc

Intro-3 019 -> 020
VI-77 <Corrected both equations>
VII-64 <first and fourth equations> USL -> LSL
VII-65 <last equation> USL -> LSL
X-21 <updated graphic>
X-35 20 out of 3 points -> 2 out of 3 points

CSSBB Primer, 019, October 21, 2009, CSSBB_Primer_2007_019.pdc

Intro-3 018 -> 019
VIII-151 <Q8.23> Corrected graphic in question

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

CSSBB_Primer_2007_018.pdc , October 12, 2009
Release of CSSBB Primer Digital

CSSBB Primer, 018, October 5, 2009

Intro-3 017 -> 018
<improved clarity of graphics> Multiple pages
<improved clarity of equations> Multiple pages

CSSBB Primer, 017, September 18, 2009

Intro-3 016 -> 017
VIII-109 <Example 8.37, Table 8.63> R, R' -> R 16 16 -> 15.5 15.5
VIII-112 $6=5$ -> 6.5 $4=5$ -> 4.5
<improved clarity of graphics> II-40, III-23, III-26, IV-21, IV-28, IV-30, IV-34, IV-35, IV-49, IV-52, IV-57, IV-66, V-16, V-17, V-25, V-26, V-27, V-29, V-44, V-46, V-60, VI-2, VI-3, VI-17, VI-28, VI-31, VI-35, VI-59, VI-63, VII-3, VII-7, VII-14, VII-15, VII-26, VII-27, VII-29, VIII-49, VIII-50, VIII-136, VIII-137, X-17, X-23, X-25
<improved clarity of equations> III-20, III-21, III-22, III-23, III-24, VI-76, VI-77, VII-3, VII-8, VII-9, VII-12, VII-13, VII-31, VII-33, VII-34, VII-35, VII-36, VII-39, VII-42, VII-43, VII-46, VII-48, VII-51, VII-57, VII-58, VII-60, VII-61, VII-63, VII-64, VIII-54, VIII-57, VIII-66, VIII-71, VIII-85, VIII-87, VIII-94, X-31, XII-12

CSSBB Primer, 016, June 10, 2009

Intro-3 015 -> 016
II-16 (1904 -) -> (1904 - 2008) is -> was holds -> held
VI-22 <add> Reliability (REL) - Reliability of the process step. Some current state maps show this as uptime %.
VII-64 $8/6 = 1.5$ -> $8/6 = 1.333$
VII-73 <Ex 7.30> Defects -> Defects/unit Units -> Number of units <add> an average of
VIII-75 <Ex 8.23> always a two-tail -> usually a two-tail
X-67 <Q10.9a> equipment usage -> equipment effectiveness
X-69 <Q10.28a> LCL = 2.0 UCL = 23.4 -> LCL = 2.1 UCL = 23.3
XI-21 <Case 3> y^2 -> \bar{y}^2

CSSBB Primer, 015, November 6, 2008

Intro-3 014 -> 015
II-38 SMED/SUD -> SMED/SUR
VII-64 <corrected alignment> = process standard deviation
VIII-141 of (parallel) -> (parallel) one the input -> one of the input
VIII-142 $1 - 0.9498 = 0.0502$ -> $1 - 0.9498 = 0.0502$

CSSBB Primer, 014, April 2, 2008

Intro-3 013 -> 014
VII-70 0.224 -> 0.337 <2 places>, Table 7.42 completely changed
VII-71 7.87 -> 22.28, Figure 7.43 completely changed
XI-26 <reworded tolerance specification and equation>
XI-27 <Example 11.2 reworded tolerance specification and equation>

CSSBB Primer, 013, February 7, 2008

Intro-3 012 -> 013
VIII-78 <last paragraph> page VI - 39 where F -> page VII - 39 where F

CSSBB Primer, 012, January 31, 2008

Intro-3 011 -> 012
VIII-14 r^2 will equal +1 or -1 only -> r^2 will equal +1 only

CSSBB Primer, 011, January 29, 2008

Intro-3 010 -> 011
XII-31 Q5.36 b -> c

CSSBB Primer, 010, January 15, 2008

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

Intro-3 009 -> 010
X-24 <corrected 2 equations to add 3 before sqrt(4.6)>
XII-32 Q11.5 d -> b

CSSBB Primer, 009, December 18, 2007

Intro-3 008 -> 009
VII-36 Poisson sigma -> Poisson standard deviation
VII-79 <Q7.7> 15 and 35 respectively -> 35 and 15 respectively
VII-82 <Q7.33> 15 and 35 respectively -> 35 and 15 respectively
VIII-82 0.8 -> -0.8 82.2 -> 88.2

CSSBB Primer, 008, November 15, 2007

Intro-3 007 -> 008
II-24 Figure 2.4 -> Table 2.4
II-38 Figure 2.7 -> Table 2.7
II-51 <two places> Table 2.2 -> Table 2.10
II-54 <three places> Figure 2.10 -> Table 2.11
II-58 Table 2.11 -> Table 2.12

CSSBB Primer, 007, October 18, 2007

Intro-3 006 -> 007
I-5 author recommends -> authors recommend
III-23 <adjust graphic position> Example 3.1 -> Example 3.1:
III-24 3.1 Continued. -> 3.1 (continued):
VII-61 7.27 (Continued) -> 7.27 (continued):
VII-73 7.30 -> 7.30: 7.31 -> 7.31:
VII-74 7.32 -> 7.32: 7.33 -> 7.33:
VII-75 7.34 -> 7.34:
VII-76 7.35 -> 7.35: 7.36 -> 7.36: 7.37 -> 7.37:
VIII-8 8.1 continued: -> 8.1 (continued):
VIII-19 <made lines darker in Figure 8.10>
VIII-55 8.10 -> 8.10:
VIII-58 <resized equation for df>
VIII-61 8.15 continued: -> 8.15 (continued): <aligned = after 0

CSSBB Primer, 006, October 11, 2007

Intro-3 005 -> 006
VII-40 <changed function to function, and corrected equation>
VII-45 <corrected bivariate normal distribution equation, changed x y to x1 x2>
VIII-6 <in S_x^2 equation> x^2 -> x^2_i
VIII-7 <Table 8.5> <added i column>
VIII-53 H0 if H0 -> H0 | H0
X-13 <LCLx bar -> A2 -> A3
X-14 <3 places> C4 - c4
XII-12 C4 - c4

CSSBB Primer, 005, September 19, 2007

Intro-3 004 -> 005
IX-36 <corrected> 1104.00 -> 1104.50; 830.27 -> 803.27; 5.50 -> 1.37; 34.7500 -> -34.7500;
2.1940 -> 6.4090; 15.84 -> -5.42; 0.000 -> 0.006; 23.5000 -> 0.7833;
0.8292 -> 0.0276; -6.0000 -> -1.5000; 0.8292 -> 0.2073; 2.0000 -> 1.0000;
0.8292 -> 0.4146 <corrected equation to match above>
IX-37 <corrected> 34.0000 -> -36.7500; 23.5000 -> 0.7833; -6.5000 -> -1.6250
2.5000 -> 1.2500 <corrected equation to match above>

CSSBB Primer, 004, September 7, 2007

Intro-3 003 -> 004
IX-79 <add line before Q9.9>

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

XII-32 <Q9.41> a -> c

CSSBB Primer, 003, August 24, 2007

Intro-3 002 -> 003

II-26 <2nd para add> In 1927 a second Model A ...

IV-49 six methodologies -> five methodologies. Ford 8D in Section VIII.

CSSBB Primer, 002, August 1, 2007

Intro-3 001 -> 002

IV-3 Process Improvement Team -> Process Improvement Teams

IV-8 norming and performing -> norming, and performing

IV-47 silently. -> silently

IV-55-IV-68 PROBLEM SOLVING METHODOLOGIES -> MANAGEMENT AND PLANNING TOOLS

IV-56 groups to complete -> group to complete

V-15 shopper -> shoppers: the company -> a company

V-31 <add line above Business Case>

V-33 milestones' -> milestone

V-36 May 2002 -> May 2008 2002 fiscal -> 2008 fiscal

V-42 <delete 2 extra blank lines>

V-46 costs, we have: -> costs, yields:

V-49 <change double bold to regular in Figure 5.15>

VI-18 Little's Law -> Little's law

VI-35 explain the probability -> explain probability

VI-61 eddy current and -> eddy current,

VI-64 x-ray -> X-ray testing and -> testing, and

VI-71 reproducibility and process -> reproducibility, and process

VI-76 overestimates the -> overestimates, the

VI-86 <modified last sentence in first paragraph>

VII-2 BASIC TERMS

VII-3 The Central Limit Theorem -> Central Limit Theorem

VII-5 Formula:

VII-23 Examples:

VII-79 <Q7.1> size n . As -> size n. As

VIII-9 that we estimate -> that one estimates

VIII-16 of an earlier portion -> of earlier portions

This element -> This coverage or educational -> and educational

VIII-51 <changed to match style of prior >

VIII-53 <changed to match style of below>

VIII-54 process we want to -> process one wishes to

VIII-60 Can we state -> Can one state

VIII-61 we find Z -> one finds Z

VIII-62 Can we say -> Can one say we find t -> one finds t

VIII-65 We have seen earlier that standard -> Standard All of the -> The

VIII-67 that if we were -> that if one were

VIII-76 We may wish -> One may wish

VIII-78 We are concerned -> The concern is

We see that -> One sees that we fail to -> one fails to

VIII-98 we reject the -> one rejects the

IX-2 Full factorial design -> Full factorial designs

IX-32 we sum the -> sum the

IX-55 flow reveal -> flow reveals

IX-56 production have these faults: -> production has the following faults:

IX-72 risk taking and -> risk taking, and

X-32 <del first sentence after Figure 10.19> conditions -> conditions which

X-39 should be followed: -> applies:

X-43 problem could be -> problem can be and by trained -> and trained

X-57 GB-001 -> BB-001

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

CSSBB Primer, 001, July 13, 2007
Intro-3 000 -> 001
Intro-8 <IV. Exam> 11 -> 16

CSSBB Primer, 000, July 12, 2007
Intro-3 000 <initial release>

CSSBB Solutions Text

CSSBB_Solutions_2007_004.pdc, October 12, 2009
Release of CSSBB Solutions Digital

CSSBB Solutions Text, 004, October 13, 2009
Intro-3 003 -> 004
<improved clarity of graphics> Multiple pages
<improved clarity of equations> Multiple pages

CSSBB Solutions Text, 003, June 10, 2009
Intro-3 002 -> 003
139 <Q10.9a> equipment usage -> equipment effectiveness
146 <Q10.28> <reworded explanation from c chart to np chart, corrected formula>

CSSBB Solutions, 002, December 18, 2007
Intro-3 001 -> 002
65 <Q7.7> 15 and 35 respectively -> 35 and 15 respectively
77 <Q7.33> 15 and 35 respectively -> 35 and 15 respectively

CSSBB Solutions, 001, September 7, 2007
Intro-3 000 -> 001
111/135 <header> SECTION VII -> SECTION IX
127 <Q9.41> Answer a -> Answer c

CSSBB Solutions, 000, July 16, 2007
Intro-3 000 <initial release> (started shipping July 12)

CSSBB Exam CD

CSSBB Exam, Install 5.14, Program 4.0.6, Database 2.0.1 September 27, 2011
ID-825 compliment -> complement

CSSBB Exam, Install 5.13, Program 4.0.6, Database 2.0.1 September 20, 2010
ID-944 The X-bar value is subtracted from the target -> The target value is subtracted from the X-bar value

CSSBB Exam, Install 5.12, Program 4.0.6, Database 2.0.1 February 18, 2010

CSSBB Exam, Install 5.11, Program 4.0.6, Database 2.0.1 October 13, 2009
<improved clarity of graphics> Multiple questions
<improved clarity of equations> Multiple questions

CSSBB Exam, Install 5.10, Program 4.0.6, Database 2.0.1 June 10, 2009
ID-334 equipment usage -> equipment effectiveness
ID-353 <reworded explanation from c chart to np chart, corrected formula>
ID-971 X-bar and R chart -> X-bar chart

CSSBB Exam, Install 5.09, Program 4.0.6, Database 2.0.0 April 6, 2009
<New program, did not change database> (database is March 23, 2009)

CSSBB Exam, Install 4.12, Program 3.0.2, October 22, 2008 (database is December 18, 2007)
<Updated install program, did not change database>

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

CSSBB Exam, Install 4.11, Program 3.0.2, September 16, 2008 (database is December 18, 2007)
<Updated install program, did not change database>

CSSBB Exam, Install 4.08, Program 3.0.2, August 26, 2008 (database is December 18, 2007)
<Updated install program, did not change database>

CSSBB Exam, Install 4.07, Program 3.0.2, August 25, 2008 (database is December 18, 2007)
<Updated install and execution programs, did not change database>

CSSBB Exam, Install 4.04, Program 2.7.0, December 18, 2007
<added password>

ID-170 <Q7.7> 15 and 35 respectively -> 35 and 15 respectively
ID-196 <Q7.33> 15 and 35 respectively -> 35 and 15 respectively

CSSBB Exam, Install 4.02, Program 2.7.0, October 9, 2007
ID-556 <answer B> I and IV only -> I and III only

CSSBB Exam, Install 4.01, Program 2.7.0, September 10, 2007
ID-305 <Q9.41> Answer A -> Answer C

CSSBB Exam, Install 4.00, Program 2.7.0, July 16, 2007
<initial release> (started shipping July 13)

CSSBB Instructor Digital

CSSBB_Instructor_2007_026.pdc, 135404, September 3, 2010

Intro-1 (1) 025 -> 026
VII-17 <replaced low-positive graphic with correct one>

CSSBB_Instructor_2007_025.pdc, 135404, May 10, 2010

Intro-1 (1) 024 -> 025
XI-21 (1017) Case 1: <delete 1/r in equation> Case 2: <delete 1/r in equation>
<add> Some references use "r" instead of "n" in the equations for Case 1 and Case 2.

CSSBB_Instructor_2007_024.pdc, May 5, 2010

Intro-1 (1) 023 -> 024
VII-35 (564) binomial signa -> binomial sigma
VII-67 (604) $\lambda \neq 0$ -> $\lambda = 0$
VII-74 (613) $DPU = \ln(Y)$ -> $DPU = -\ln(Y)$

CSSBB_Instructor_2007_023.pdc, April 22, 2010

Intro-1 (1) 021 -> 023
VI-19 (407) $VAT/TLT = 100$ -> $VAT/TLT \times 100$

CSSBB_Instructor_2007_021.pdc, March 4, 2010

Intro-1 (1) 020 -> 021
VIII-58 (687) [change <mu> -> <sigma>] in first 3 equations for X bar vs <mu>, X bar vs X bar and S^2 vs <mu>²

CSSBB_Instructor_2007_020.pdc, November 19, 2009

Intro-1 (1) 018 -> 020
VI-77 (494) <Corrected equation>
VI-77 (495) <Corrected equation>
VII-64 (599) <last equation> USL -> LSL
VII-64 (600) <third equation> USL -> LSL
VII-65 (602) <last equation> USL -> LSL
X-21 (928) <updated graphic>
X-35 (940) 20 out of 3 points -> 2 out of 3 points

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

CSSBB_Instructor_2007_018.pdc, October 12, 2009
Release of CSSBB Instructor Digital

CSSBB Instructor PDF CD

CSSBB Instructor PDF, 026, Install 2.06, Adobe 7.0, September 3, 2010

Intro-1 (1) 025 -> 026
VII-17 <replaced low-positive graphic with correct one>

CSSBB Instructor PDF, 025, Install 2.05, Adobe 7.0, May 10, 2010

Intro-1 (1) 024 -> 025
XI-21 (1017) Case 1: <delete 1/r in equation> Case 2: <delete 1/r in equation>
<add> Some references use "r" instead of "n" in the equations for Case 1 and Case 2.

CSSBB Instructor PDF, 024, Install 2.04, Adobe 7.0, May 5, 2010

Intro-1 (1) 023 -> 024
VII-35 (564) binomial sigma -> binomial sigma
VII-67 (604) $\lambda \neq 0$ -> $\lambda = 0$
VII-74 (613) $DPU = \ln(Y)$ -> $DPU = -\ln(Y)$

CSSBB Instructor PDF, 023, Install 2.03, Adobe 7.0, April 23, 2010

Resumed selling Instructor PDF CD

CSSBB Instructor PDF CD replaced with CSSBB Instructor Digital on October 14, 2009

CSSBB Instructor PDF, 016, Install 2.02, Adobe 7.0, June 10, 2009

Intro-1 (1) 007 -> 016
II-16 (35) (1904 -) -> (1904 - 2008) is -> was holds -> held
II-17 (36) has -> had
II-38 (69) SMED/SUD -> SMED/SUR
VI-22 (413) <add> Reliability (REL) - Reliability of the process step. Some current state maps show this as uptime %.
VII-35 (565) Poisson sigma -> Poisson standard deviation
VII-64 (600) $8/6 = 1.5$ -> $8/6 = 1.333$
VII-70 (607) 0.224 -> 0.337 <2 places>, Table 7.42 completely changed
VII-71 (608) Figure completely changed
VII-73 (611) <Ex 7.30> Defects -> Defects/unit Units -> Number of units <add> an average of
VII-79 (618) <Q7.7> 15 and 35 respectively -> 35 and 15 respectively
VIII-14 (638) r^2 will equal +1 or -1 only -> r^2 will equal +1 only
VIII-75 (702) <Ex 8.23> always a two-tail -> usually a two-tail
VIII-141 (764) of (parallel) -> (parallel) one the input -> one of the input
VIII-142 (766) $1 - 0.9498 = 0.502$ -> $1 - 0.9498 = 0.0502$
X-24 (931) <corrected 2 equations to add 3 before sqrt(4.6)>
X-69 (993) <Q10.28a> LCL = 2.0 UCL = 23.4 -> LCL = 2.1 UCL = 23.3
XI-21 (1017) <Case 3> y^2 -> \bar{y}^2
XI-27 (1022) <reworded tolerance specification and equation>

CSSBB Instructor PDF, 007, Install 2.0, October 22, 2007

Intro-1 (1) 001 -> 007
II-26 (49) <2nd para add> In 1927 a second Model A ...
IV-49 (244) six methodologies -> five methodologies. Ford 8D in Section VIII.
V-33 (335) milestones' -> milestone
VII-40 (569) <changed function to function, and corrected equation>
VIII-6 (629) <in S_x^2 equation> x^2 -> x^2_i
VIII-7 (630) <Table 8.5> <added i column>
VIII-9 (633) that we estimate -> that one estimates
VIII-78 (705) Can we conclude -> Can one conclude
IX-2 (782) Full factorial design -> Full factorial designs
IX-82 (982) $9.41 a$ -> $9.41 c$

Quality Council of Indiana - Certified Six Sigma Black Belt (CSSBB)

X-13 (916) <LCLx bar -> A2 -> A3
X-14 (917) <3 places> C4 - c4
X-43 (953) problem could be -> problem can be
XII-12 (1051) C4 - c4

CSSBB Instructor PDF, 001, Install 2.0, July 30, 2007
Intro-1 (1) 001 <initial release>

Quality Council of Indiana - Certified Six Sigma Green Belt (CSSGB)

CSSGB Primer, 1st Edition, April, 2006

CSSGB Primer, 029, October 20, 2011, CSSGB_Primer_2007_029.pdc

Intro-3 028 -> 029
IV-5 extent in Section V -> extent in Section VI
VIII-25 <sigma>_i equation moved exponent 2 to outside parenthesis
VIII-26 <Example 8.1 3 places> <sigma>_R -> <sigma>_i
VIII-26 <Example 8.2 2 places> <sigma>_i -> <sigma>_R
VIII-31 <Q8.1> 7 lbs. and 7.3 lbs. -> 7.3 lbs. and 7 lbs.
IX-52 <SST equation> X_t -> X bar_t
IX-64 <Q9.14a> 384 -> 385
IX-65 <Q9.29> <reworded question and answer d
XI-25 <c bar equation> total defectives -> total defects
XI-32 <lower UCL 2 places> UCL -> LCL
XI-38 <Fig. 11.20> Special -> Special characteristic note Key output -> Key output variable (Y)

CSSGB Primer, 028, September 27, 2011, CSSGB_Primer_2007_028.pdc

Intro-3 027 -> 028
V-36 Risk Analysis -> Risk Monitoring, Risk Handling -> Risk Monitoring, modified inputs

CSSGB Primer, 027, October 25, 2010, CSSGB_Primer_2007_027.pdc

Intro-3 026 -> 027
V-30 <replaced Gantt Chart with portrait orientation>
X-1 R. E. D. Woolsey and H. S. Swanson -> R. E. D. WOOLSEY AND H. S. SWANSON
XII-14 <delete> Shaw, V.

CSSGB Primer, 026, June 2, 2010, CSSGB_Primer_2007_026.pdc

Intro-3 025 -> 026
XI-33 <replaced top control chart with correct one>

CSSGB Primer, 025, May 28, 2010, CSSGB_Primer_2007_025.pdc

Intro-3 024 -> 025
IV-14 a an even -> an even

CSSGB Primer, 024, May 11, 2010, CSSGB_Primer_2007_024.pdc

Intro-3 023 -> 024
VIII-18 new processes , a -> new process, a

CSSGB Primer, 023, March 23, 2010, CSSGB_Primer_2007_023.pdc

Intro-3 022 -> 023
IX-40 Example 9.17 -> 9.15 Example 9.18 -> 9.26 Table 9.28 -> 9.27

CSSGB Primer, 022, March 8, 2010, CSSGB_Primer_2007_022.pdc

Intro-3 021 -> 022
V-14 <1. paragraph deleted sentence> "American tourists ... Olympic Games approach."

CSSGB Primer, 021, March 3, 2010, CSSGB_Primer_2007_021.pdc

Intro-3 020 -> 021
III-57 <Q3.8> C. -> c.
VI-27 <add> Where: μ = Population mean X = Individual values X bar = Sample mean
VI-45 <Q6.25> A. -> a.
VII-28 <Q7.13> A. -> a.
VII-30 <Q7.33> A. -> a.
IX-32 [change <mu> -> <sigma>] in first 3 equations for X bar vs <mu>, X bar vs X bar and S^2 vs <mu>^2
IX-50 X^2/N is the CM -> $(X)^2/N$ is the CM
IX-64 <Q9.17> A. -> a.
X-32 $2^3 = 9$ -> $3^2 = 9$
X-41 <Q10.3> replicates -> replications

Quality Council of Indiana - Certified Six Sigma Green Belt (CSSGB)

XI-18 <Chart replaced with correct one>

CSSGB Primer, 020, January 13, 2010, CSSGB_Primer_2007_019.pdc

Intro-3 019 -> 020

V-56 <Ex 5.4> $DPU = \ln(Y) \rightarrow DPU = -\ln(Y)$

VII-27 <Q7.6> $s_{sub\ x} = \rightarrow s_{sub\ x\ bar} =$

CSSGB Primer, 019, November 19, 2008, CSSGB_Primer_2007_019.pdc

Intro-3 018 -> 019

VIII-5 <Corrected both equations>

VIII-26 <corrected first, second, and last equations> USL -> LSL and 6 sigma -> 3 sigma

XI-32 20 out of 3 points -> 2 out of 3 points

CSSGB Primer, 018, November 10, 2008, CSSGB_Primer_2007_018.pdc

Intro-3 017 -> 018

IX-31 <Example 9.7 equation corrected>

CSSGB Primer, 017, October 29, 2008, CSSGB_Primer_2007_017.pdc

Intro-3 016 -> 017

XI-24 <modified graphic>

XI-25 <modified spacing>

XI-28 <modified graphic>

CSSGB_Primer_2007_016.pdc , October 27, 2009

Release of CSSGB Primer Digital

CSSGB Primer, 016, October 16, 2008

Intro-3 015 -> 016

II-2 it's mean -> its mean

II-20 1904 - -> 1904 - 2008

III-58 <Q3.18b> of a low level failure -> of a failure

III-58 <Q3.22> automotive manufacturers that supply -> suppliers to control material flow

IV-75 4.4, -> 4.4. 4.5, -> 4.5.

VIII-31 <Q8.1d> process problem is not -> process is not

<improved clarity of graphics> Multiple pages

<improved clarity of equations> Multiple pages

CSSGB Primer, 015, December 22, 2008

Intro-3 014 -> 015

II-1 G.E. Chairman -> GE Chairman

II-5 employees, can -> employees can

II-10 well known -> well-known they contributed -> they have contributed

Company wide -> Companywide

II-16 MA., -> MA. 1961, but at -> 1961 but, at new, that -> new that

II-22 <remove quote marks from paragraph starting with Shewhart>

II-25 signal- to- noise -> signal-to-noise signal to noise -> signal-to-noise

ill controlled or noncontrollable. -> ill-controlled or uncontrollable.

II-36 Process Selection -> Project Selection product -> team product.

III-11 to emerging -> of emerging one-piece -> one piece

III-11 mistake-proofing -> mistake proofing

III-20 long term -> long-term

III-25 long term -> long-term

III-26 cases, the -> cases, is the failsafe -> fail-safe

III-34 70 - 80% -> 70% - 80% NIST in 1999 -> In 1999 NIST short term -> short-term

III-35 <shade Table 3.6>

IV-9 short term -> short-term long term -> long-term

IV-30 an FMEA -> a FMEA

IV-35 long term -> long-term

Quality Council of Indiana - Certified Six Sigma Green Belt (CSSGB)

IV-37 Self Directed -> Self-Directed members, is -> members is
IV-38 members, from specialist organizations, can -> members from specialist organizations
can
IV-39 self directed -> self-directed
IV-40 late comers -> latecomers Time keeper -> Timekeeper
IV-42 team based -> team-based
IV-44 area or can -> area, or it can organization and methods -> and organizational methods
optimism or humor -> optimism, or humor
IV-60 Janis, ties -> Janis ties USA -> USA's
IV-67 frustration and -> frustration, and
IV-69 leader to -> leader needs to
IV-75 <Q4.6> long term -> long-term
V-12 workflow -> work flow
V-15 <shade table in 4.>
V-25 activity, there -> activity there
V-34 of project -> of the project
VI-14 Techniques for assuring data accuracy -> Data accuracy
VI-19 paper forms -> forms
VI-20 cramped -> crammed 0.55308 in -> 0.55308, in observations can -> observations, can
VI-22 24 hour -> 24-hour
VI-23 decision making -> decision-making
VI-24 advantage. -> advantages. different -> by different that is different -> that are different
VII-22 <corrected paragraph and equation starting with The t distribution ...>
IX-45 <corrected equation and wording after the table>
X-10 term used is DOF -> terms used are DOF
X-11 three factor -> three-factor
X-15 second order -> second-order
X-19 BC occurs -> BC, occurs III & IV -> III, & IV
X-21 Hyper-Graeco Latin -> Hyper-Graeco-Latin
XI-12 <moved Note to item 7.>
XI-13 -R -> -[sp]R
XI-17 is recommended -> are recommended
XI-18 Note k -> Note:
XII-19 long term -> long-term
XII-21 Process, selection process II-36 -> Project, selection process II-36
XII-22 Self directed teams -> Self-directed teams Short term -> Short-term

CSSGB Primer, 014, October 30, 2008

Intro-3 013 -> 014
VI-46 <Q6.45> 6.46 -> 6.45
XI-22 <revised equations for p chart and u chart, added text explaining n, n bar.
XI-23 <added note for sample size of 600, explaining n bar>

CSSGB Primer, 013, January 31, 2008

Intro-3 012 -> 013
IX-18 r^2 will equal +1 or -1 only -> r^2 will equal +1 only

CSSGB Primer, 012, January 14, 2008

Intro-3 011 -> 012
XI-25 <corrected 2 equations to add 3 before sqrt(4.6)>

CSSGB Primer, 011, November 19, 2007

Intro-3 010 -> 011
III-47 (FEMA) -> (FMEA)
VII-27 <Q7.2> supervisor statesd -> supervisor said

CSSGB Primer, 010, September 19, 2007

Intro-3 009 -> 010

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X-36 <corrected> 1104.00 -> 1104.50; 830.27 -> 803.27; 5.50 -> 1.37; 34.7500 -> -34.7500;
2.1940 -> 6.4090; 15.84 -> -5.42; 0.000 -> 0.006; 23.5000 -> 0.7833;
0.8292 -> 0.0276; -6.0000 -> -1.5000; 0.8292 -> 0.2073; 2.0000 -> 1.0000;
0.8292 -> 0.4146 <corrected equation to match above>
X-37 <corrected> 34.0000 -> -36.7500; 23.5000 -> 0.7833; -6.5000 -> -1.6250
2.5000 -> 1.2500 <corrected equation to match above>

CSSGB Primer, 009, August 30, 2007

Intro-3 008 -> 009
III-40 is used ins this -> is used in this From The PQS -> From the PQS
PQS are used -> PQSs are used
III-47 Analysis FEMA. -> Analysis FMEA.
III-48 for a FEMA are: -> for a FMEA are:
III-60 <Q3.40> PM in relationship -> TPM in relationship
V-41 TAKE PROCESS ANALYST SEMINARS -> TAKE GREEN BELT SEMINARS
VII-5 <corrected formulas for s and notations>

CSSGB Primer, 008, May 31, 2007

Intro-3 007 -> 008
IX-40 equal to or greater -> greater
IX-65 <Q9.24> increase with larger samples -> decrease with larger sample sizes
XI-39 <11.> key input variable -> key output variable

CSSGB Primer, 007, April 18, 2007

Intro-3 006 -> 007
IX-48 page VI-59 -> page VII-25

CSSGB Primer, 006a, March 27, 2007

II-2 <no rev chg per BW> 99.99966% -> 99.99932%

CSSGB Primer, 006, March 15, 2007

Intro-3 005 -> 006
VI-3 <del extra line>
VIII-23 <fixed fuzzy graphics axis> z = 1 -> z = - to 1 and z = 1 to +
VIII-24 <fixed fuzzy graphics axis> z = 1 -> z = 0 to 1
X-17 <Main effects, row missing, add in> High lon 7.7
XI-12 used X bar for - R -> used for X bar - R

CSSGB Primer, 005, December 4, 2006

Intro-3 004 -> 005
III-18 Seiko -> Seiri <moved Seiso to 3rd> Seiketso (personal cleanliness -> Seiketsu
(standardize) Systematize -> Standardize Standardize -> Sustain <modified this
definition>
III-20 Systematize -> Standardize Standardize -> Sustain
III-58 <Q3.20> two are -> is the <a.> Seiko and Seiton -> Seiri <b.> Seiton and Seiso ->
Seiton <c.> Seiketso and Shitsuke -> Shitsuke <d.> Seiko and Seiso -> Seiso
XI-11 <Figure 11.6> LCL 1.9 -> LCL 0
XII-21 Seiko -> Seiri Seiketso -> Seiketsu
XII-22 Systematize -> Sustain
XII-25 <Q5.3> d -> a

CSSGB Primer, 004, October 19, 2006

Intro-3 003 -> 004
IV-78 <Q4.40> avoid -> select

CSSGB Primer, 003, September 22, 2006

Intro-3 002 -> 003
IV-5 Figure 4.2 -> Figure 4.2 SIPOC

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IX-65 <Q9.26 slippage>
XI-37 Rybarczyk (2005) -> Rybarczyk (2005)9

CSSGB Primer, 002, June 7, 2006

Intro-3 001 -> 002
IV-76 <Q4.13> properly functioning -> poorly functioning
VI-44 <Q6.24abcd> <and -> , and> <4 places>
IX-63 <Q9.2b> extreme -> an extreme
IX-64 <Q9.13b> we cannot -> one cannot
X-29 <Figure 10.10 removed background dots in image>
X-43 <Q10.20a> It allows for the effects of interaction in the design ->
It minimizes the chance for factor confounding
XII-26 <Q8.26> b-> a

CSSGB Primer, 001, April 12, 2006

Intro-3 000 -> 001
XII-26 <Q8.3> b -> c

CSSGB Primer, 000, April 3, 2006 (started shipping March 21, 2006)

Intro-3 000

CSSGB Solutions Text

CSSGB Solutions, 013, October 20, 2011, CSSGB_Solutions_2006_013.pdc

Intro-3 012 -> 013
13 <Q3.14 alignment>
44 <Q5.19> V - 31/38 -> V - 58
49 <Q5.31> V - 58/62 -> V - 65
50 <Q5.34> V - 3 -> V - 3/4
66 <Q6.13> VI - 25 -> VI - 18 and 25.
100 <Q8.1> 7 lbs. and 7.3 lbs. -> 7.3 lbs. and 7 lbs.
115 <Q9.7> <third <beta>_1 -> <beta>_0
120 <Q9.14> IX - 25 -> IX - 31, 384 -> round up to 385
120 <Q9.15> <delete 3.92> IX - 25 -> IX - 35 3.92 -> 3.92 <sigma>
127 <Q9.27> t and F tests -> t and Z tests
128 <Q9.29> <completely reworded question>
142 <Q9.55> IX - 3 -> IX - 30
144 <Q9.59> <change to> If $p \leq 0.01$ If $0.01 < p \leq 0.05$
152 <Q10.20> X - 28 -> X - 20
161 <Q11.12> <in equation> $(1 - np \bar{p}) -> (1 - p \bar{p})$
162 <Q11.15> XI - 27 -> XI - 32
166 <Q11.22> LCL 78.1 -> 33.3

CSSGB Solutions, 012, November 10, 2010, CSSGB_Solutions_2006_012.pdc

Intro-3 010 -> 012
46 <Q5.23> 2.21 -> 2.221

CSSGB Solutions, 011, March 3, 2010, CSSGB_Solutions_2006_011.pdc

Intro-3 010 -> 011
11 <Q3.8> C. -> c.
71 <Q6.25> A. -> a.
86 <Q7.13> A. -> a.
96 <Q7.33> A. -> a.
121 <Q9.17> A. -> a.
146 <Q10.3> replicates -> replications <several places>

CSSGB_Solutions_2006_010.pdc , October 27, 2009

Release of CSSGB Solutions Digital

Quality Council of Indiana - Certified Six Sigma Green Belt (CSSGB)

CSSGB Solutions, 010, October 26, 2009

Intro-3 009 -> 010
14 <Q3.18b> of a low level failure -> of a failure
15 <Q3.22> automotive manufacturers that supply -> suppliers to control material flow
24 4.4, -> 4.4. 4.5, -> 4.5.
72 <Q6.26>
100 <Q8.1d> process problem is not -> process is not
<improved clarity of graphics> Multiple pages
<improved clarity of equations> Multiple pages

CSSGB Solutions, 009, December 22, 2008

Intro-3 008 -> 009
25 <Q4.6> long term -> long-term

CSSGB Solutions, 008, October 30, 2008

Intro-3 007 -> 008
76 <Q6.38> independent variable <-> dependent variable x-axis <-> y-axis
160 <Q11.11> 0.557 -> 0.577 D_4 -> D_3
161 <Q11.12 LCL> sqrt() -> 3*sqrt()

CSSGB Solutions, 007, November 19, 2007

Intro-3 006 -> 007
81 <Q7.2> supervisor statesd -> supervisor said

CSSGB Solutions, 006, August 30, 2007

Intro-3 005 -> 006
22 <Q3.40> PM in relationship -> TPM in relationship
113 <Q9.1> significant is applies -> significant applies

CSSGB Solutions, 005, May 31, 2007

Intro-3 004 -> 005
8 <Q3.1> III - 50 -> III - 50, V - 67,
125 <Q9.24d> increase with larger samples -> decrease with larger sample sizes

CSSGB Solutions, 004, December 4, 2006

Intro-3 003 -> 004
15 <Q3.20 major rewording of a 5S question
17 <Q3.26 eliminated a line in the explanation>
38 <Q5.3 major change Answer A is correct not answer D>

CSSGB Solutions, 003, October 19, 2006

Intro-3 002 -> 003
37 <Q4.40> avoid -> select

CSSGB Solutions, 002, June 5, 2006

Intro-2 001 -> 002
28 <Q4.13> properly functioning -> poorly functioning
71 <Q6.24abcd> <and -> , and> <4 places>
109 <Q8.26> Answer b is correct -> Answer a is correct
113 <Q9.2b> extreme -> an extreme
119 <Q9.13b> we cannot -> one cannot
152 <Q10.20a> It allows for the effects of interaction in the design ->
It minimizes the chance for factor confounding

CSSGB Solutions, 001, April 12, 2006

(2) 000 -> 001
102 <Q8.3> <change last sentence to> The P/T ratio provides better analyses of the measurement system relative to specifications, while the P/TV ratio is more of an internal

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measure. Answer b -> Answer c
143 <Q9.58> the a and p-value -> the and p-value

CSSGB Solutions, 000, April 3, 2006 (started shipping March 21, 2006)
(2) 000

CSSGB Exam CD

CSSGB Exam, Install 2.09, Program 4.0.6, Database 2.0.3 October 28, 2011
ID-706 <several places, including equation> standard deviation -> variance

CSSGB Exam, Install 2.08, Program 4.0.6, Database 2.0.3 October 20, 2011
ID-119 <Q5.19> V - 31/38 -> V - 58
ID-131 <Q5.31> V - 58/62 -> V - 65
ID-134 <Q5.34> V - 3 -> V - 3/4
ID-173 <Q6.13> VI - 25 -> VI - 18 and 25.
ID-249 <Q8.1> 7 lbs. and 7.3 lbs. -> 7.3 lbs. and 7 lbs.
ID-287 <Q9.7> <third <beta>_1 -> <beta>_0
ID-294 <Q9.14> IX - 25 -> IX - 31, 384 -> round up to 385
ID-295 <Q9.15> <delete 3.92> IX - 25 -> IX - 35 3.92 -> 3.92 <sigma>
ID-307 <Q9.27> t and F tests -> t and Z tests
ID-309 <Q9.29> <completely reworded question>
ID-335 <Q9.55> IX - 3 -> IX - 30
ID-339 <Q9.59> <change to> If $p \leq 0.01$ If $0.01 < p \leq 0.05$
ID-360 <Q10.20> X - 28 -> X - 20
ID-380 <Q11.12> <in equation> $(1 - np \text{ bar}) -> (1 - p \text{ bar})$
ID-383 <Q11.15> XI - 27 -> XI - 32
ID-840 $Z_{.01} -> Z_{0.005}$ risk is stated to be .01, -> risk divided by 2 is 0.005,
ID-902 <Corrected equation and changed answer b>
ID-927 <corrected full and fractional factorial graphics>

CSSGB Exam, Install 2.07, Program 4.0.6, Database 2.0.3 May 25, 2011
ID-816 Cp of 1.5 -> Cp of 1.7
ID-868 Section IX - 23 -> Section IX - 31
ID-873 <reworded question, changed from units to lbs, assuming normal distribution>
ID-989 variable -> centered X-bar - R

CSSGB Exam, Install 2.06, Program 4.0.6, Database 2.0.3 March 3, 2010
ID-343 <Q10.3> replicates -> replications <several places>

CSSGB Exam, Install 2.05, Program 4.0.6, Database 2.0.3 January 14, 2010
ID-214 <Q7.6> $s \text{ sub } x = -> s \text{ sub } x \text{ bar} =$

CSSGB Exam, Install 2.04, Program 4.0.6, Database 2.0.3 April 8, 2009
ID-38 a low level failure -> a failure
ID-42 automotive manufacturers that supply -> suppliers to control material flow
ID-152 <corrected alignment in explanation>
ID-166 **NOT** -> NOT
ID-186 <cleaned up graphic>
ID-249 process problem is -> process is

CSSGB Exam, Install 2.01, Program 4.0.6, Database 2.0.0 April 8, 2009
<New program, did not change database> (database is April 7, 2009)

CSSGB Exam, Install 1.23, Program 3.0.2, January 2, 2009
ID-66 <Q4.6> long term -> long-term

CSSGB Exam, Install 1.22, Program 3.0.2, October 31, 2008
198 <Q6.38> independent variable <-> dependent variable x-axis <-> y-axis

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379 <Q11.11> 0.557 -> 0.577 D_4 -> D_3
380 <Q11.12 LCL> sqrt() -> 3*sqrt()

CSSGB Exam, Install 1.21, Program 3.0.2, October 22, 2008 (database is December 10, 2007)
<Updated install program, did not change database>

CSSGB Exam, Install 1.20, Program 3.0.2, August 26, 2008 (database is December 10, 2007)
<Updated install program, did not change database>

CSSGB Exam, Install 1.18, Program 3.0.2, August 25, 2008 (database is December 10, 2007)
<Updated install and execution programs, did not change database>

CSSGB Exam, 011b, Install 1.16, Program 2.7.0, December 19, 2007
<Added password>

CSSGB Exam, 011a, Install 1.15, Program 2.7.0, November 20, 2007
ID-210 <Q7.2> supervisor stated -> supervisor said

CSSGB Exam, Install 1.11, Program 2.7.0, May 31, 2007
ID-21 <Q3.1> III - 50 -> III - 50, V - 67,
ID-304 <Q9.24> increase with larger samples -> decrease with larger sample sizes
ID-517 answers A, B and C -> answers A, B and D Answer D -> Answer C
ID-697 <reworded to make a one part question, with Answer C correct>
ID-996 <A> 13.27, 2.25% -> 13.75, 2.25%

CSSGB Exam, Install 1.10, Program 2.7.0, December 4, 2006
ID-40 <Q3.20 major rewording of a 5S question
ID-46 <Q3.26 eliminated a line in the explanation>
ID-103 <Q5.3 major change Answer A is correct not answer D>
ID-451 <reworded this 5S question>

CSSGB Exam, Install 1.09, Program 2.7.0, October 19, 2006
ID-100 <Q4.40> avoid -> select
ID-402 to get management involved. -> manage design improvements.

CSSGB Exam, Install 1.08, Program 2.7.0, June 6, 2006
<second screen> <corrected title lengths to 34 characters or less. This was causing text wrap on screen for categories>
ID-73 <Q4.13> properly functioning -> poorly functioning
ID-184 <Q6.24abcd> <and -> , and> <4 places>
ID-274 <Q8.26> Answer b is correct -> Answer a is correct
ID-282 <Q9.2b> extreme -> an extreme
ID-293 <Q9.13b> we cannot -> one cannot
ID-360 <Q10.20a> It allows for the effects of interaction in the design -> It minimizes the chance for factor confounding

CSSGB Exam, 001, Install 1.06, Program 2.7.0, April 12, 2006
<Changed selection table to align with Primer sections>
ID-251 <Q8.3> <change last sentence to> The P/T ratio provides better analyses of the measurement system relative to specifications, while the P/TV ratio is more of an internal measure. Answer B -> Answer C
ID-338 <Q9.58> the a and p-value -> the and p-value

CSSGB Exam, 000, Install 1.04, Program 2.7.0, March 22, 2006

CSSGB Instructor Digital

CSSGB_Instructor_2006_029.pdc, October 20, 2011
Intro-1 (1) 028 -> 029

Quality Council of Indiana - Certified Six Sigma Green Belt (CSSGB)

VIII-25 (394) <sigma>_i equation moved exponent 2 to outside parenthesis
XI-32 (577) <lower UCL 2 places> UCL -> LCL
XI-38 (586) <Fig. 11.20> Special -> Special characteristic note Key output -> Key output variable (Y)

CSSGB_Instructor_2006_028.pdc, October 6, 2011

Intro-1 (1) 021 -> 028
II-2 (23) it's mean -> its mean
II-20 (39) 1904 - -> 1904 - 2008
IV-14 (138) a an even -> an even
V-36 (238) Risk Analysis -> Risk Monitoring, Risk Handling -> Risk Monitoring, modified inputs
VIII-5 (370) <Corrected equation>
VIII-18 (386) new processes, a -> new process, a
VIII-25 (394) <Corrected <sigma>_i equation>
IX-32 (446) [change <mu> -> <sigma>] in first 3 equations for X bar vs <mu>, X bar vs X bar and S^2 vs <mu>^2
X-1 (491) R. E. D. Woolsey and H. S. Swanson -> R. E. D. WOOLSEY AND H. S. SWANSON
XI-24 (571) <modified graphic>
XI-28 (573) <modified graphic>
XI-33 (578) <replaced top control chart with correct one>

CSSGB_Instructor_2006_021.pdc, March 4, 2010

Intro-1 (1) 019 -> 021
XI-18 (564) <Chart replaced with correct one>

CSSGB_Instructor_2006_019.pdc, November 19, 2009

Intro-1 (1) 017 -> 019
XI-32 (577) 20 out of 3 points -> 2 out of 3 points

CSSGB_Instructor_2006_017.pdc, October 29, 2009

Release of CSSGB Instructor Digital
Intro-1 (1) 015 -> 017
<improved clarity of graphics> Multiple pages
<improved clarity of equations> Multiple pages

CSSGB Instructor PDF

CSSGB Instructor PDF, 029, Install 1.12, Adobe 7.0, October 20, 2011

Intro-1 (1) 028 -> 029
VIII-25 (394) <sigma>_i equation moved exponent 2 to outside parenthesis
XI-32 (577) <lower UCL 2 places> UCL -> LCL
XI-38 (586) <Fig. 11.20> Special -> Special characteristic note Key output -> Key output variable (Y)

CSSGB Instructor PDF, 028, Install , Adobe 7.0, September 27, 2011

Intro-1 (1) 021 -> 028
II-2 (23) it's mean -> its mean
II-20 (39) 1904 - -> 1904 - 2008
IV-14 (138) a an even -> an even
V-36 (238) Risk Analysis -> Risk Monitoring, Risk Handling -> Risk Monitoring, modified inputs
VIII-5 (370) <Corrected equation>
VIII-18 (386) new processes, a -> new process, a
VIII-25 (394) <Corrected <sigma>_i equation>
IX-32 (446) [change <mu> -> <sigma>] in first 3 equations for X bar vs <mu>, X bar vs X bar and S^2 vs <mu>^2
X-1 (491) R. E. D. Woolsey and H. S. Swanson -> R. E. D. WOOLSEY AND H. S. SWANSON
XI-24 (571) <modified graphic>
XI-28 (573) <modified graphic>
XI-33 (578) <replaced top control chart with correct one>

CSSGB Instructor PDF, 021, Install 1.10, Adobe 7.0, April 23, 2010

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Resumed selling Instructor PDF CD

CSSGB Instructor PDF, 015, Install 1.09, Adobe 7.0, January 13, 2009

Intro-1 (1) 014b -> 015
II-1 (21) G.E. Chairman -> GE Chairman
II-5 (26) employees, can -> employees can
II-10 (32) Company wide -> Companywide
II-22 (40) <remove quote marks from paragraph starting with Shewhart>
II-36 (54) Process Selection -> Project Selection product -> team product.
III-11 (73) one-piece -> one piece
III-12 (74) mistake-proofing -> mistake proofing
III-34 (98) 70 - 80% -> 70% - 80%
IV-9 (130) short term -> short-term long term -> long-term
IV-36 (163) Self Directed -> Self-Directed
IV-39 (164) Self Directed -> Self-Directed
IV-44 (169) organization and methods -> and organizational methods
IV-60 (188) as: "A mode -> as, "A mode
IV-67 (192) frustration and -> frustration, and
V-25 (229) activity, there -> activity there
VI-14 (300) Techniques for assuring data accuracy -> Data accuracy
VI-20 (307) 0.55308 in -> 0.55308, in observations can -> observations, can
VI-22 (309) 24 hour -> 24-hour
VI-24 (311) that is different -> that are different
VII-22 (357) <corrected paragraph and equation starting with The t probability ...>
IX-39 (459) 20/5 -> 20/4
IX-45 (466) <corrected equation and wording after the table>
X-9 (500) term used is DOF -> terms used are DOF
X-11 (502) three factor -> three-factor
X-19 (510) BC occurs -> BC, occurs
X-21 (514) Hyper-Graeco Latin -> Hyper-Graeco-Latin
XI-12 (557) <moved Note to item 7.>
XI-17 (563) is recommended -> are recommended

CSSGB Instructor PDF, 014a, Install 1.07, Adobe 7.0, December 5, 2008

Intro-1 (1) 014 -> 014a
V-73 (280) Answers: 5.3. d -> Answers: 5.3. a
IX-64 (486) Answers: 9.15 -> 9.12

CSSGB Instructor PDF, 014, Install 1.06, Adobe 7.0, November 3, 2008

Intro-1 (1) 010 -> 014
IX-18 (423) r^2 will equal +1 or -1 only -> r^2 will equal +1 only

CSSGB Instructor PDF, 010, Install 1.05, Adobe 7.0, November 14, 2007

Intro-1 (1) 008 -> 010 <can no longer print the PDF>
III-47 (110) Analysis FEMA. -> Analysis FMEA.
III-48 (111) for a FEMA are: -> for a FMEA are:
V-41 (245) TAKE PROCESS ANALYST SEMINARS -> TAKE GREEN BELT SEMINARS
X-36 (525) <corrected> 1104.00 -> 1104.50; 830.27 -> 803.27; 5.50 -> 1.37
X-36 (526) 34.7500 -> -34.7500; 2.1940 -> 6.4090; 15.84 -> -5.42; 0.000 -> 0.006; 23.5000 ->
0.7833; 0.8292 -> 0.0276; -6.0000 -> -1.5000; 0.8292 -> 0.2073; 2.0000 -> 1.0000;
0.8292 -> 0.4146 <corrected equation to match above>
X-37 (527) <corrected> 34.0000 -> -36.7500; 23.5000 -> 0.7833; -6.5000 -> -1.6250
2.5000 -> 1.2500 <corrected equation to match above>
XI-18 (564) <replace graphic with CSSBB X-17>

CSSGB Instructor PDF, 008, Install 1.04, Adobe 7.0, May 31, 2007

Intro-1 (1) 005 -> 008
II-2 (23) 99.99966% -> 99.99932%

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VIII-23 (392) <fixed fuzzy graphics axis> $z = 1 \rightarrow z = -$ to 1, $z = 1$ to +, $z = 1 \rightarrow z = 0$ to 1
XI-12 (557) used \bar{X} for - R \rightarrow used for \bar{X} - R
XI-39 (588) <11.> key input variable \rightarrow key output variable

CSSGB Instructor PDF, 005, Install 1.03, December 5, 2006

Intro-1 (1) 004 \rightarrow 005
III-18 (81) Seiko \rightarrow Seiri <moved Seiso to 3rd> Seiketso (personal cleanliness \rightarrow Seiketsu (standardize) Systematize \rightarrow Standardize Standardize \rightarrow Sustain <modified this definition>
III-18 (82) Systematize \rightarrow Standardize Standardize \rightarrow Sustain
XI-11 (555) <Figure 11.6> LCL 1.9 \rightarrow LCL 0

CSSGB Instructor PDF, 004, Install 1.02, October 19, 2006

Intro-1 (1) 002 \rightarrow 004
IV-78 (201) <Q4.40> avoid \rightarrow select

CSSGB Instructor PDF, 002, Install 1.01, file 002, June 6, 2006

Intro-1 (1) 000 \rightarrow 002
IX-634 (485) <Q9.2b> extreme \rightarrow an extreme
X-43 (533) <Q10.20a> It allows for the effects of interaction in the design \rightarrow
It minimizes the chance for factor confounding

CSSGB Instructor PDF, 000, Install 1.0, Adobe 7.0, April 12, 2006

<Not affected by Primer, Soln, Exam changes, therefor no PDF change>

CSSGB Instructor PDF, 000, Install 1.0, Adobe 7.0, March 31, 2006

Intro-1 (1) 000

Spanish CSSGB Primer, 1st Edition, October, 2010

Spanish CSSGB Primer, 004, February 23, 2011, Spanish_CSSGB_Primer_2010_004.pdc

Intro-3 003 \rightarrow 004
<multiple small changes made to Sections IV, VI, VII, VIII, IX, XI>
<changed alignment of headers>

Spanish CSSGB Primer, 003, February 21, 2011, Spanish_CSSGB_Primer_2010_003.pdc

Intro-3 002 \rightarrow 003
<multiple small changes made to Intro, Sections I, II, III, V, VII, X>

Spanish CSSGB Primer, 002, December 15, 2010, Spanish_CSSGB_Primer_2010_002.pdc

Intro-3 001 \rightarrow 002
IV-75 <Q4.8d> I, II, II, IV \rightarrow I, II, III, IV
V-74 <Q5.20b> 26,600 \rightarrow 26,666
VI-43 <Q6.2b> PHVA. \rightarrow PDCP
VI-46 <Q6.47c> 84 \rightarrow 80 <d> 78 \rightarrow 81
VII-28 <Q7.13> verdadero \rightarrow verdadero? <d> $P(A \text{ y } B) \rightarrow P(A \text{ o } B)$
IX-63 <Q9.7 added> <beta>hat_sub 1
IX-65 <Q9.23> confianza para \rightarrow confianza del 95% para
XI-44 <Q11.11> 33,6 \rightarrow 33.6 6,20 \rightarrow 6.20

CSSGB Primer, 001, October 25, 2010, CSSGB_Primer_2010_001.pdc

Intro-3 001 Initial release = CSSGB Primer 027

Spanish CSSGB Instructor, 1st Edition, October, 2010

Spanish CSSGB Instructor, 002, December 15, 2010, Spanish_CSSGB_Instructor_2010_002.pdc

(1) 001 \rightarrow 002
VII-28 (357) <Q7.13> verdadero \rightarrow verdadero? <d> $P(A \text{ y } B) \rightarrow P(A \text{ o } B)$
IX-63 (474) <Q9.7 added> <beta>hat_sub 1

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Spanish CSSGB Instructor, 001, October 18, 2010, Spanish_CSSGB_Instructor_2010_001.pdc
(1) 001 Initial release = CSSGB Instructor 027

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LSS Primer, 1st Edition, April, 2007

LSS Primer, 014, January 3, 2012

Intro-3 013 -> 014

II-32 (1904 -) -> (1904 - 2008)

<Updated graphic format on the following pages> II-8, II-40, III-4, III-6, III-9, III-25, III-26, III-29, III-38, III-40, III-43, IV-20, IV-25, IV-27, V-8, V-9, V-12, V-14, V-16, V-17, V-18, V-21, V-22, V-44, V-49, V-50, V-53, VI-4, VI-8, VI-41, VI-43, VI-50, VI-51, VI-52, VII-7, VII-8, VII-10, VII-12, VII-13, VII-26, VII-27, VIII-41, VIII-44, VIII-48, VIII-57, VIII-60, VIII-61, IX-13, IX-20, IX-22, IX-34, X-10, X-12, X-14, X-16, XI-2, XI-4, XI-8, XI-12, XI-14, XI-15, XI-48, XII-9, XII-10, XII-11

<Updated equation format on the following pages> III-37, VI-27, VI-28, VI-48, VI-50, VII-52, VII-53, VII-54, VII-55, VII-56, VII-57, VIII-76, IX-43, IX-44, XII-12

LSS Primer, 013, November 9, 2011

Intro-3 012 -> 013

I-1 <deleted> Professional Education Certifications Online

I-2 <deleted> Villanova University on-line ASQ LSS Certification

III-31 Risk Analysis -> Risk Handling Risk Handling -> Risk Monitoring <Frank> 2002 -> 2008

III-32 <Frank> 2002 -> 2008

III-53 <Frank> 2004 -> 2008

VII-29 we want to determine -> one wants to determine

LSS Primer, 012, December 7, 2010

Intro-3 011 -> 012

VIII-21 Prevents quicker -> Permits quicker

LSS Primer, 011, December 3, 2010

Intro-3 010 -> 011

VII-54 weights of hamburgers from three different companies -> outputs of three machines

VII-55 weights of hamburgers from three different companies -> machine means
Company -> Machines

LSS Primer, 010, September 17, 2010

Intro-3 009 -> 010

IX-26 <Updated Figure 9.15 with new chart>

LSS Primer, 009, March 8, 2010

Intro-3 008 -> 009

V-23 <1. paragraph deleted sentence> "American tourists ... Olympic Games approach."

LSS Primer, 008, November 17, 2008

Intro-3 007 -> 008

II-6 SMED/SUD -> SMED/SUR

VI-33 average range method -> average and range method

VII-40 <Example 7.15> $t = 3.256$ -> $t = 3.261$ <clarified explanation>

LSS Primer, 007, March 13, 2008

Intro-3 006 -> 007

VI-10 <Example 6.3> = 100% -> x 100%

LSS Primer, 006, January 15, 2008

Intro-3 005 -> 006

IX-27 <corrected 2 equations to add 3 before $\sqrt{4.6}$ >

LSS Primer, 005, September 21, 2007

Intro-3 004 -> 005

VIII-64 pressure and high -> pressure, and high

VIII-65 <corrected> 1104.00 -> 1104.50; 830.27 -> 803.27; 5.50 -> 1.37; 34.7500 -> -34.7500;

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2.1940 -> 6.4090; 15.84 -> -5.42; 0.000 -> 0.006; 23.5000 -> 0.7833;
0.8292 -> 0.0276; -6.0000 -> -1.5000; 0.8292 -> 0.2073; 2.0000 -> 1.0000;
0.8292 -> 0.4146 <corrected equation to match above>
<modified wording in last paragraph>
VIII-67 <corrected> 34.0000 -> -36.7500; 23.5000 -> 0.7833; -6.5000 -> -1.6250
2.5000 -> 1.2500 <corrected equation to match above>

LSS Primer, 004, August 27, 2007

Intro-3 003 -> 004
I-12 FEMA -> FMEA
I-18 teacher, or -> teacher or
II-6 Figure 2.3 -> Table 2.3
II-13 Father of Scientific Management -> father of scientific management
II-14 Chief Engineer -> chief engineer <add> In 1927 a second Model A was launched to meet the features offered by other U.S. competitors.
II-15 King of Inventors -> king of inventors
II-20 <change to italics> The Machine that Changed the World
II-54 <Q2.17> Guiding -> Guiding <para indent Q2.18>
III-7 change of the test -> change or test step 2 and -> step 2, and
III-33/III-52
III-39 First we observe -> First one observes
III-58 <Q3.33> A. -> a. B. -> b. C. -> c. D. -> d.
IV-2 <revised wording in first paragraph, second sentence>
IV-10 specific and timely -> specific, and timely
IV-13 belts or lean -> belts, or lean
IV-19 ideas, comments, and opinions -> ideas and opinions
IV-20 Recommends meeting -> Recommend meeting
IV-30 "If this ... solution." -> if this ... solution?
IV-42 casual and -> casual, and
IV-50 <Q4.15 align c.>
V-11 Have 3" -> Use 3" notes for use -> notes
V-13 4-M or Ishikawa -> 4-M, or Ishikawa
V-25 below current selling prices. -> below the current selling price.
V-30 move it forward -> move a product or activity forward
V-35 reveal significantly -> reveals significantly
V-43 improvement by six sigma teams. -> improvement.
V-47 use the Pareto law -> use Pareto analysis
VI-3 terminology used should also match -> terminology should match
VI-15 <5 places> variables data -> variable data
VI-16 <3 places> variables data -> variable data
so we must -> so one must location of the sales -> locations of the sales
VI-17 <12 places> variables -> variable
can be stated as to how -> can state how
VI-18 tallies and Pareto -> tallies, and Pareto
VI-25 samples thus drawn can be -> samples can be
VI-43 You must -> One must that you wish to see. -> that is being used.
Z Value Examples -> Z Value Example
VI-48 be opened, then -> be adjusted, then
 Developing Sampling Plans
VI-62 <Q6.14> incorrect -> INCORRECT
VII-4 always viewed upon for -> always considered for
VII-19 and when SSE -> and SSE
VII-20 coefficient is: -> coefficient, is:
VII-26 and we are generally -> and one is generally
that we have in -> that one has in
VII-41 we may use a p -> one may use a p
VIII-6 What 5S Is Not -> What 5S is Not
VIII-49 we may be able -> one may be able

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IX-38 can we expect -> can one expect lines just due -> lines due
IX-39 calculating or -> calculating, or
IX-55 building, and productivity -> building and productivity
IX-57 seasoned manager and -> seasoned professional and
IX-64 <Q9.16a> in 20 -> in 20 plot points
X-8 The existing product -> The product
XI-40 <add horiz line after 2006, follows:>

LSS Primer, 003, July 18, 2007

Intro-3 002 -> 003
II-17 complete -> compete <various comma changes>
II-18 non-valued added -> non-value added
II-56 <Q2.33> Michel Harry -> Mikel Harry
III-56 <Q3.12> <corrected font size>
V-8 Problem -> Problem: Analysis -> Analysis:
V-10 Implement Plan -> Implementation Plan
VII-39 equal to or greater -> greater
VIII-19 Poke-Yoke -> Poka-Yoke
VIII-77 <Q8.50> Kanban -> kanban
IX-8 <11.> key input variable -> key output variable
X-30 <TRIZ in Russian changed character from (10,55) to (10,59)>

LSS Primer, 002, April 18, 2007

Intro-3 001 -> 002
X-28 energy conversation -> energy conservation

LSS Primer, 001, April 16, 2007

Intro-3 000 -> 001
I-2 <move from I-3 Pascal, D. -> Dennis, P.>
I-3 <move from I-2 Harry, M.>
XI-38 Impact -> Cost
XII-13 <move from XII-14 Pascal, D. -> Dennis, P.> <Harry, M.> I-2 -> I-3
XII-14 <delete Pascal, D.> <Schroeder, R.> I-2 -> I-3

LSS Primer, 000, April 2, 2007

Intro-3 <blank> <000 release>

LSS Solutions Text

LSS Solutions, 003, November 17, 2008

Intro-3 002 -> 003
87 <Q7.17> Chi-sqUare test -> Chi-square test t tesT -> t test

LSS Solutions, 002, August 28, 2007

Intro-3 001 -> 002
67 <Q6.14> incorrect -> INCORRECT
129 <Q9.16a> in 20 -> in 20 plot points

LSS Solutions, 001, July 18, 2007

Intro-3 <blank> -> 001
11 <Q2.33> Michel Harry -> Mikel Harry <2 places>
118 <Q8.50> Kanban -> kanban
119 <Q8.53> 8.53. CSSGB Q925 -> 8.53.

LSS Solutions, 000, April 2, 2007

Intro-3 000 <release>

LSS Exam CD

<Not available>

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LSS Instructor PDF CD

LSS Instructor PDF, 013, Install 1.03, November 10, 2011

Intro-1 (1) 012 -> 013

III-31 (134) Risk Analysis -> Risk Handling Risk Handling -> Risk Monitoring <Frank> 2002 -> 2008

LSS Instructor PDF, 012, Install 1.02, December 7, 2010

Intro-1 (1) 010 -> 012

VIII-21 (519) Prevents quicker -> Permits quicker

LSS Instructor PDF, 010, Install 1.01, September 20, 2010

Intro-1 (1) 003 -> 010

II-6 (26) SMED/SUD -> SMED/SUR

IV-30 (219) "If this ... risk it." -> if this ... risk it?

V-11 (264) notes for use -> notes

VI-16 (341) <2 places> variables data -> variable data

VII-40 (471) <Example 7.15> t = 3.256 -> t = 3.261

VIII-65 (587) <corrected> 1104.00 -> 1104.50; 830.27 -> 803.27; 5.50 -> 1.37

VIII-65 (588) 34.7500 -> -34.7500; 2.1940 -> 6.4090; 15.84 -> -5.42; 0.000 -> 0.006; 23.5000 -> 0.7833; 0.8292 -> 0.0276; -6.0000 -> -1.5000; 0.8292 -> 0.2073; 2.0000 -> 1.0000;

0.8292 -> 0.4146 <corrected equation to match above>

<modified wording in last paragraph>

IX-26 (636) <Updated Figure 9.15 with new chart>

IX-27 (637) <corrected 2 equations to add 3 before sqrt(4.6)>

LSS Instructor PDF, 003, Install 1.0, August 24, 2007

Intro-1 (1) 003 <initial release>

END OF FILE