

**Quality Council of Indiana  
Version as of July 27, 2010**

<u>Item</u>	<u>Edition</u>	<u>Date</u>	<u>Ctrl</u>	<u>Install</u>	<u>Program</u>
<a href="#">CCT Primer</a>	1st Edition	August, 2003	009		
<a href="#">CCT Solutions Text</a>	1st Edition	August, 2003	004		
<a href="#">CCT Exam CD</a>		November 12, 2009		2.01	4.0.6
<a href="#">CCT Instructor PDF CD</a>		November 29, 2008	008a	1.01	7.0
<a href="#">CMQ Primer</a>	6th Edition	July, 2010	003		
<a href="#">CMQ Solutions Text</a>	6th Edition	July, 2010	002		
<a href="#">CMQ Exam CD</a>		July 16, 2010		5.01	4.0.6
<a href="#">CMQ Instructor Digital</a>		July 19, 2010	003		PDC
<a href="#">CMQ Instructor PDF CD</a>		July 16, 2010	003	6.00	
<a href="#">CQA Primer</a>	6th Edition	February 2, 2004	010		
<a href="#">CQA Solutions Text</a>	6th Edition	2004	006		
<a href="#">CQA Exam CD</a>		April 13, 2009		4.00	4.0.6
<a href="#">CQA Instructor PDF CD</a>		August 15, 2008	009	4.03	7.0
<a href="#">CQE Primer</a>	8th Edition	September 1, 2006	014		PDC
<a href="#">CQE Solutions Text</a>	8th Edition	2006	007		PDC
<a href="#">CQE Exam CD</a>		March 5, 2010		9.10	4.0.6
<a href="#">CQE Instructor Digital</a>		March 5, 2010	014		PDC
<a href="#">CQE Instructor PDF CD</a>		April 23, 2010	014	8.08	
<a href="#">CQI Primer</a>	5th Edition	August, 2006	002		
<a href="#">CQI Solutions Text</a>	5th Edition	2006	001		
<a href="#">CQI Exam CD</a>		May 14, 2009		6.01	4.0.6
<a href="#">CQI Instructor PDF CD</a>		November 3, 2008	002	5.02	7.0
<a href="#">CQIA Primer</a>	2nd Edition	June, 2006	009		
<a href="#">CQIA Solutions Text</a>	2nd Edition	June 1, 2006	004		
<a href="#">CQIA Exam CD</a>		June 16, 2009		4.01	4.0.6
<a href="#">CQIA Instructor PDF CD</a>		June 16, 2009	009	2.06	7.0
<a href="#">CQPA Primer</a>	1st Edition	January, 2006	004		
<a href="#">CQPA Solutions Text</a>	1st Edition	2006	002		
<a href="#">CQPA Exam CD</a>		May 26, 2009		2.0	4.0.6
<a href="#">CQPA Instructor PDF CD</a>		October 22, 2008	004	1.03	7.0
<a href="#">CQT Primer</a>	6th Edition	October, 2003	013		
<a href="#">CQT Solutions Text</a>	6th Edition	October, 2003	007		
<a href="#">CQT Exam CD</a>		May 8, 2009		4.02	4.0.6
<a href="#">CQT Instructor PDF CD</a>		October 16, 2008	011	3.19	7.0
<a href="#">CRE Primer</a>	4th Edition	October 1, 2009	003		
<a href="#">CRE Solutions Text</a>	4th Edition	2009	007		
<a href="#">CRE Exam CD</a>		February 11, 2010		4.09	4.0.6
<a href="#">CRE Instructor PDF CD</a>		Not available			
<a href="#">CSQE Primer</a>	4th Edition	2008	006		
<a href="#">CSQE Solutions Text</a>	4th Edition	October 13, 2008	002		
<a href="#">CSQE Exam CD</a>		June 8, 2009		5.03	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>
<a href="#">CSQE Instructor PDF CD</a>		March 11, 2010	006	3.01	7.0
<a href="#">CSSBB Primer</a>	2nd Edition	August 1, 2007	026		PDC
<a href="#">CSSBB Solutions Text</a>	2nd Edition	2007	004		PDC
<a href="#">CSSBB Exam CD</a>		February 18, 2010		5.12	4.0.6
<a href="#">CSSBB Instructor Digital</a>		May 10, 2010	025		PDC
<a href="#">CSSBB Instructor PDF CD</a>		May 10, 2010	025	2.05	
<a href="#">CSSGB Primer</a>	1st Edition	April 3, 2006	026		PDC
<a href="#">CSSGB Solutions Text</a>	1st Edition	2006	011		PDC
<a href="#">CSSGB Exam CD</a>		March 3, 2010		2.06	4.0.6
<a href="#">CSSGB Instructor Digital</a>		March 4, 2010	021		PDC
<a href="#">CSSGB Instructor PDF CD</a>		April 23, 2010	021	1.10	
<a href="#">LSS Primer</a>	1st Edition	April 2, 2007	009		
<a href="#">LSS Solutions Text</a>	1st Edition	2007	003		
<a href="#">LSS Exam CD</a>		Not available			
<a href="#">LSS Instructor PDF CD</a>		August 24, 2007	003	1.00	7.0
ISO Primer w/CD		2009	000		
ISO 9001 Internal Auditing Primer		March 31, 2009	000		
ISO 9001 Int Audit Instructor PDF		March 27, 2009	000		7.0
Quality System Handbook w/CD		2009	001	2.01	7.0
RAM Dictionary		1988			
Quality Dictionary		2010		1.00	7.0
ISO 9001:2008 Pocket Primer		2009			
Measurement Assurance	Software			2.7	
Reliability & Maintenance Analyst	Software			4.7	
ISO 9000 Intranets	Software				
Juran's Quality Handbook	6th Edition	2010			
Management Audits	3rd Edition	1997			
The Quality Technician's Handbook	5th Edition	2003			
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, 1st Edition, August, 2003

CCT Primer, 009, November 12, 2009

Intro-3 008 -> 009  
II-54 <Reworded question 2.81>

CCT Primer, 008c, January 25, 2006

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

CCT Primer, 008, June 21, 2004

Intro-3 007 -> 008  
V-7 <3 places> K -> K  
V-64 <in formula 2 places>  $\sqrt{3}$  -> 3       $1.44 \times 10^{-7}$  ->  $8.33 \times 10^{-8}$

CCT Primer, 007, March 23, 2004

Intro-3 006 -> 007  
III-16 Measurement Quality (Continued) -> Measurement Variability (Continued)  
V-10 <deleted number of significant digits and modified next paragraph>  
V-19/20 <moved content to fit Rounding on page V-21>  
V-21 <revised Rounding discussion to follow CQT wording>  
V-54 <equations for mean  $\bar{X}$  ->  $\bar{X}$  in two places>  
V-64 <in equation, 3 ->  $\sqrt{3}$  in two places>  
V-80 <Q5.64 added> with a standard deviation of 0.003 inches per week  
VIII-2 <replaced Table I Standard Normal Table to new format>  
VIII-3/5 <replaced Table II Poisson Distribution to new format>  
VIII-8 <replaced Table V Control Factors with larger font size>  
VIII-9/29 <replaced Conversion Chart numerous minor and major changes>

CCT Primer, 006, November 20, 2003

Intro-3 005 -> 006  
III-51 <Q3.75d> Getting an unbiased true value -> Getting an answer consistent with accepted standards  
IV-17 piston<sup>superscript</sup>. -> piston.  
IV-34 point is is marked -> point it is marked  
V-21 6.974 950 44 -> 6.974 950  
VI-66 where you company -> where your company

CCT Primer, 005, August 11, 2003

Intro-3 004 -> 005      July -> August  
II-8 39.37 mm (1 in.) -> 25.4 mm (1 in.)  
II-28 <rephrased sentence starting with> Because we can display ...  
II-37 writing (2002) mass -> writing, mass  
II-47 <Q2.8> 9,192,631,770 -> 9 192 631 770  
<Q2.11> side.[sp]What -> side.[sp][sp]What  
II-48 <Q2.15> US definition -> U.S. definition  
<Q2.23> He uses - The technician uses  
<Q2.25> 273.16 -> 273.16 K  
II-49 <Q2.26> 273.16 -> 273.16 K  
<Q2.35> 273.16 -> 273.16 K  
II-51 <Q2.54> bath.[sp]This -> bath.[sp][sp]This  
II-52 <Q2.62> Approximately 1%, -> Approximately 1 %,  
<Q2.65> 15 – 25 C, 20 – 25 C -> 15 C to 25 C, 20 C to 25 C  
<Q2.67> F[sp]It -> F [sp][sp]It  
II-53 <Q2.77> colors.[sp]This -> colors.[sp][sp]This  
II-54 <Q2.81> ft-lb  $\pm$  5% -> ft-lb, 5 % of full scale,      0.25%, -> 0.25 %,  
ft-lb  $\pm$  1%. -> ft-lb, 1 % of reading + 2 ft-lb.  
III-43 <Q3.8> The measurement result desired is only ratio -> The desired measurement result  
is only the ratio  
III-44 <Q3.12> they compare -> the lab compare

## Quality Council of Indiana - Certified Calibration Technician (CCT)

	aluminum block big enough to hold many thermometers -> aluminum block
III-45	<Q3.20c> "pass" -> "pass"
III-46	<Q3.24> $\pm 2\%$ -> $\pm 2\%$
III-47	<Q3.38> signal.[sp]What -> signal.[sp][sp]What
III-48	<Q3.49> weights.[sp]Is -> weights.[sp][sp]Is
III-49	<Q3.57> weights that -> weights, that gage has -> gage, has
III-50	<Q3.66> Shewhart Control Chart -> Shewhart control chart
III-51	<Q3.71> <reworded question and answers>
III-51	<Q3.73> "out of tolerance" -> "out of tolerance"
III-51	<Q3.75> <reworded question and answers>
IV-42	not require -> not require is required -> is required
IV-45	"document" -> "document"
IV-60	or even are unable -> or are unable k=2 -> k = 2
IV-69	<Q4.2> Is a step-by-step procedure -> Contains step-by-step calibration instructions
IV-70	<Q4.10> 10,000 psig -> 10 000 psig
	<Q4.12> K -> K Steinhart and Hart -> Steinhart-Hart <2 places>
	<Q4.13> it has hired. -> has contracted to be done.
IV-74	<Q4.42> ISO/IEC 17025, -> ANSI/NCSL Z540-1,
IV-76	<Q4.55> No, not unless -> No, unless
IV-77	<Q4.63> system standard are: -> system standard is:
V-21	3.141592654 -> 3.141 592 654
V-35	<moved Converting to Radians up 2 lines>
V-44	Section VI B. -> Section VI. i -> 1 <4 places>
V-48	y1 -> yi <2 places>
V-57	<printed Figure 5.19 from Tim's computer to Ricoh>
V-61	<moved a's to right by 2 sp>
V-68	However, you must -> However, one must
V-75	<Q5.1> l. 1000 -> l. 1 000
	<Q5.4> a. 4,200, b. 28,000, c. 738,000, d. 1,107,000 ->
	a. 4 200, b. 28 000, c. 738 000, d. 1 107 000
	<Q5.8> 1500 rpm -> 1 500 rpm
	<Q5.11> 4400 volts -> 4 400 volts
V-76	<Q5.16> 3.1415926536 -> 3.141 592 653 6
	<Q5.22> 5.22.[sp]What -> 5.22.[hd lft indent]What
V-77	<Q5.24> center.[sp]How -> center.[sp][sp]How
	<Q5.26> inches.[sp]The -> inches.[sp][sp]The
	<Q5.34> scores.[sp]Its -> scores.[sp][sp]Its
V-78	<Q5.42> .[sp]Take -> .[sp][sp]Take
V-79	<Q5.56b> It' acceptable, -> It's acceptable,
V-80	<Q5.58> consumer's and producer's -> consumer's and producer's
	<Q5.60> 100% -> 100 %
	<Q5.64> .01 -> 0.01 .002 -> 0.002 95% -> 95 %
VI-145	<Q6.1a> company's -> company's
	<Q6.3 l> employee's -> employee's company's -> company's
VI-147	<Q6.17> auditor's -> auditor's
	<Q6.18> vendor's -> vendor's company's -> company's
VI-148	<Q6.29> supplier's -> supplier's
	<Q6.31> supplier's -> supplier's
VI-149	<Q6.35> ASQ's -> ASQ's
	<Q6.37> it.[sp]What -> it.[sp][sp]What
VI-150	<Q6.42> "Housekeeping" -> "Housekeeping"
VII-44	<Q7.16b> magnitudes RSS -> RSS magnitudes
VII-46	<Q7.46b> into RSS -> in the RSS

CCT Primer, 004, July 25, 2003, Release of First Edition

CCT Primer, 003, May 12, 2003, Beta Edition.003

## Quality Council of Indiana - Certified Calibration Technician (CCT)

CCT Primer, 002, April 28, 2003, Beta Edition.002

CCT Primer, 001, April 2, 2003, Beta Edition.001

### CCT Solutions Text, 1st Edition, August, 2003

CCT Solutions, 004, November 12, 2009

41 <Reworded question 2.81>

CCT Solutions, 003a, March 2, 2007

<change shade to 235>

CCT Solutions, 003, March 23, 2004

(3) 002 -> 003

158 <Q5.64 added> with a standard deviation of 0.003 inches per week

CCT Solutions, 002, November 20, 2003

(3) 001 -> 002

85 <Q3.75d> Getting an unbiased true value -> Getting an answer consistent with accepted standards

CCT Solutions, 005, August 11, 2003

(3) 001

### CCT Exam CD

CCT Exam, Install 2.01, Program 4.0.6, Database 2.0.0 November 12, 2009

ID-81 <Reworded question 81>

CCT Exam, Install 2.00, Program 4.0.6, Database 2.0.0 May 22, 2009

<New program, did not change database> (database is May 22, 2009)

CCT Exam, Install 1.12, Program 3.0.2, October 24, 2008 (database is December 10, 2007)

<Updated install program, did not change database>

CCT Exam, Install 1.11, Program 3.0.2, August 26, 2008 (database is December 10, 2007)

<Updated install program, did not change database>

CCT Exam, Install 1.10, Program 3.0.2, August 25, 2008 (database is December 10, 2007)

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

CCT Exam, Install 1.08, Program 2.7.0, April 18, 2008

<changed install, did not change database>

CCT Exam, Install 1.08, Program 2.7.0, December 19, 2007

<Added password>

CCT Exam, Install 1.03, Program 2.7.0, September 29, 2005

ID-319 <Q5.63> <added exponent of 2 to all answers>

CCT Exam, 003, Install 1.05, Program 2.7.0, March 30, 2004

ID-860 procedures' risk -> producer's risk

ID-866 value of 2 -> value of 1

CCT Exam, 003, Install 1.03, Program 2.7.0, March 24, 2004

ID-320 <Q5.64> <added> with a standard deviation of 0.003 inches per week

CCT Exam, Install 1.02, Program 2.7.0, Source database 002, December 2, 2003

ID-171 <Q3.75d> Getting an unbiased true value -> Getting an answer consistent with accepted standards

**Quality Council of Indiana - Certified Calibration Technician (CCT)**

CCT Exam, Install 1.01, Program 2.7.0, August 14, 2003, mdb file August 13, 2003

**CCT Instructor PDF CD, for 1st Edition**

CCT Instructor PDF, 008a, Install 1.01, Adobe 7.0, November 29, 2008

CCT Instructor PDF, 008, Install 1.0, Adobe 7.0, April 17, 2006

CCT Instructor PDF, 008, Install 1.0, Adobe 5.0, August 18, 2004

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

### CMQ Primer, 6th Edition, July, 2010

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 maintinaed -> 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, 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 -> distracter  
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 5.01, 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>

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

**CMQ Instructor Digital**

CMQ\_Instructor\_2010\_003.pdc, July 19, 2010  
Intro-1 (1) 003 Release of updated edition

**CMQ Instructor PDF CD**

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, 6th Edition, February, 2004

CQA Primer, 010, January 7, 2009

Intro-3 009 -> 010  
II-13 important assets -> important asset  
II-20 contract -> conduct  
V-25 additionally -> additional  
V-29 a assigned -> an assigned  
VII-4 then actions -> their actions  
VIII-31 to do harm -> to harm  
IX-2 are presented in Element A of this Section. These tools are -> include  
IX-5 Many people and this Primer -> This Primer  
IX-6 <Purchasing paragraph alignment>  
IX-30 stays fixed -> stay fixed  
IX-50 on high Pa's -> on a high probability of acceptance  
IX-60 as an basis -> as a basis

CQA Primer, 009, August 14, 2008

Intro-3 008 -> 009  
VI-3 Section VII of this -> Section IX of this  
VIII-38 Seiko -> Seiri Seiketso - personal cleanliness -> Seiketsu - standardize  
IX-36 Seiko -> Seiri Seiketso - personal cleanliness -> Seiketsu - standardize  
IX-76 <Q9.33d remove one tab>  
X-14 Seiketso -> Seiketsu VIII-38 Seiko -> Seiri VIII-38  
X-15 Shitsuke -> Shitsuke VIII-38

CQA Primer, 008f, February 1, 2008

<corrected column margins for questions in all Sections II through IX>

CQA Primer, 008e, January 30, 2008

V-51 <Q5.44c corrected alignment>

CQA Primer, 008, September 13, 2007

Intro-3 007 -> 008  
II-50 <reworded CE Marking paragraph>  
III-23 <aligned Differences in ideals>  
IV-10 20 hours of audit -> 20 days of audit

CQA Primer, 007, March 22, 2007

Intro-3 006 -> 007  
VIII-34 through -> thorough

CQA Primer, 006, October 3, 2006

Intro-3 005 -> 006  
Intro-4 <updated Bill L. Wortman bio>  
I-2 auditor rules -> auditor roles  
II-42 <changed to Thomson Gale for source>  
<box or table shading changed to 235 on the following pages>  
Intro-1, Intro-3, Intro-5, Intro-6, I-1, II-1, II-2, II-27, III-1, III-7, III-16, III-32, IV-1, IV-10,  
IV-14, IV-17, IV-24, IV-25, IV-26, IV-29, IV-34, IV-36, IV-37, V-1, V-17, V-23, V-34, V-43,  
VI-1, VI-12, VI-13, VI-14, VI-15, VII-1, VIII-1, IX-1, IX-4, X-1

CQA Primer, 005b, January 25, 2006

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

CQA Primer, 005, May 27, 2005

<put in changes from changes 002 April 6, 2004 that were not saved  
Intro-3 004 -> 005  
X-27 Section II answer 19 from d to c

## Quality Council of Indiana - Certified Quality Auditor (CQA)

VII-19 Spacing after question 7.6

CQA Primer, 003, April 27, 2004

Intro-3 002 -> 003

X-28 <Sec VII> 11. d -> 11. b

CQA Primer, 002, April 6, 2004

X-27 Section II answer 19 from d to c

VII-19 Spacing after question 7.6

CQA Primer, 002, March 6, 2004

Intro-3 001 -> 002

VII-19 <add line before 7.7>

X-27 <Sec II> 19. d -> 19. c

CQA Primer, 001, March 4, 2004

II-47 <Q2.60 fit question on II-47>

CQA Primer, 001, February 26, 2004

INTRO-3 000 -> 001

I-2 Applications:[sp]Moved -> Applications[sp][sp]Moved

I-8 6 Auditing strategies -> 6. Auditing strategies

I-8 Opening meeting (Apply) -> Opening meeting[Hd Flush Right](Apply)

I-9 Action processes -> Action processes[Hd Flush Right](Apply)

II-22 <del line before> Desk Audit

II-25 <del line before> Auditing Standards

II-25 as will as three -> as well as three

II-26 QS-9000(1998) -> QS-9000[sp](1998)

II-30 QS-9000(1998) -> QS-9000[sp](1998)

II-47 <del line before> Q2.52a

III-35 interview the auditor -> interview by the auditor

III-35 encourages further -> encourage further

III-38 [sp]The escort may -> The escort may

IV-34 <del line before> Random Selection

V-18 <add [Hd Left Ind] before last group of bullet items>

VI-8 for signing and distributing -> for attaching a cover letter and distributing

VIII-15 ... "the audit -> "... the audit

VIII-15 ISO 19011-20021[sp] -> ISO 19011-20021

IX-50 a) E, -> a) D <add> Note: The up arrow in the table changes the code letter from E to D.

IX-64 <add [Hd Left Ind] before both groups of bullet items>

CQA Primer, 000, Release February 2, 2004

INTRO-3 000

## CQA Solutions Text

CQA Solutions, 006, August 14, 2008

Intro-3 006 -> 006

82 <Q4.33> a mute point -> a moot point

CQA Solutions, 005, December 7, 2006

Intro-3 004 -> 005

154 <Q8.29 revised wording of explanation>

172 <Q9.29 defectives, a chart -> defectives. An X-bar

CQA Solutions, 004, October 3, 2006

Intro-3 003 -> 004

126 <Q6.20 wording and graphic change>

175 <Q9.35 redid equations>

## Quality Council of Indiana - Certified Quality Auditor (CQA)

<box or table shading changed to 235 on the following pages> Intro-1, Intro-3, Intro-4

CQA Solutions, 003, April 30, 2004

Intro-3 002 -> 003

137 <Q7.18> <del> The key word is "primary."

CQA Solutions, 002, April 27, 2004

Intro-3 001 -> 002

134 <7.11> Answer d is correct -> Answer b is correct

CQA Solutions, 001, February 26, 2004

Intro-3 000 -> 001

99 <Q5.14 Soln> A is false -> a is false

145 <Q8.7 Soln> although internal -> Although internal

CQA Solutions, 000, February 2, 2004

### CQA Exam CD

CQA Exam, Install 4.00, Program 4.0.6, Database 2.0.0 April 13, 2009

<New program, did not change database> (database is April 13, 2009)

CQA Exam, Install 3.26, Program 3.0.2, October 24, 2008 (database is August 14, 2008)

<Updated install program, did not change database>

CQA Exam, Install 3.25, Program 3.0.2, September 22, 2008 (database is August 14, 2008)

<Updated install program, did not change database>

CQA Exam, Install 3.24, Program 3.0.2, August 26, 2008 (database is August 14, 2008)

<Updated install program, did not change database>

CQA Exam, Install 3.23, Program 3.0.2, August 25, 2008 (database is August 14, 2008)

<Updated install program, did not change database>

CQA Exam, Install 3.22, Program 3.0.2, August 22, 2008 (database is August 14, 2008)

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

CQA Exam, 008d, Install 3.16, Program 2.7.0, December 19, 2007

<Added password>

CQA Exam, 008c, Install 3.15, Program 2.7.0, November 14, 2007

ID-480 <reworded explanation for observation>

CQA Exam, 008b, Install 3.14, Program 2.7.0, October 5, 2007

ID-539 <modified question and answers, changed to one part question>

CQA Exam, 008a, Install 3.13, Program 2.7.0, September 21, 2007

<on Examination Configuration> Auditor Competencies -> Auditor Competencies

CQA Exam, 006b, Install 3.12, Program 2.7.0, December 5, 2006

ID-422 change the word Rebut to Address in item I

ID-665 change answer C to II, IV, III and I from II, IV, II and I. Answer B will still be correct

ID-937 X bar is missing from X bar - R in the answer (a font problem)

ID-938 Answer C change Increases to Decreases. Answer D remains correct.

CQA Exam, 006a, Install 3.11, Program 2.7.0, November 1, 2006

ID-587 <ans D> I, II, III and IV -> I, III, and IV only <ans C added , >

CQA Exam, 005d, Install 3.09, Program 2.7.0, September 20, 2006

## Quality Council of Indiana - Certified Quality Auditor (CQA)

<changed questions>

CQA Exam, 005a, Install 3.07, Program 2.7.0, August 29, 2005  
ID-591 <Answer A> III, IV, I, III -> III, IV, I, II

CQA Exam, Install 3.05, Program 2.7.0, April 27, 2004  
ID-290 <del> The key word is "primary."  
ID-418 The first three -> The three  
ID-421 records are maintained -> records maintained  
ID-489 Answer C can -> Answer B can Answer B is only -> Answer C is only  
ID-507 select one -> select the one  
ID-530 9four years -> (four years  
ID-595 third part audit -> third party audit  
included in audit -> included in the audit  
ID-627 suspects and auditee -> suspects an auditee time", -> time,"  
ID-830 <del> Note that a negative response is requested  
ID-880 VIII - 2/4 -> VIII - 2/3

CQA Exam, Install 3.04, Program 2.7.0, April 27, 2004  
ID-283 <7.11> Answer d is correct -> Answer b is correct

CQA Exam, 001, Install 3.03, Program 2.7.0, March 4, 2004, mdb file March 4, 2004  
ID-60 <Q2.60> a. I, II, IV, b. I, III, IV, c. II, III, IV, d. I, IV ->  
a. I and II only, b. I and III only, c. II and III only, d. I, II and III

CQA Exam, 000, Install 3.02, Program 2.7.0, February 2, 2004, mdb file February 2, 2004

### CQA Instructor PDF CD

CQA Instructor PDF, 009, Install 4.03, Adobe 7.0, August 15, 2008  
Intro-1 (1) 008 -> 009  
IX-36 (331) Seiko -> Seiri Seiketso - personal cleanliness -> Seiketsu - standardize  
X-15 Shitsuke -> Shitsuke VIII-38

CQA Instructor PDF, 008, Install 4.02, Adobe 7.0, September 14, 2007  
Intro-1 (1) 007 -> 008  
II-7 (27) <decremented page numbers by 1 for (27) through (57)>  
III-21 (84) <decremented page numbers by 1 for 1 page>  
IV-10 (125) 20 hours of audit -> 20 days of audit  
<box or table shading changed to 235 on the following pages>  
Intro-1 (1), Intro-3 (2), I-1 (9), II-1 (19), II-2 (21), III-1 (64), IV-1 (118), IV-34 (140), V-1  
(153), VI-1 (200), VI-12 (211), VI-13 (212), VI-14 (213), VI-15 (214), VII-1 (222), VIII-1  
(245), IX-1 (291), X-1 (381)

CQA Instructor PDF, 004, Install 4.01, Adobe 7.0, April 17, 2006

CQA Instructor PDF, 004, Install 4.01, Adobe 5.0, June 7, 2004  
IX-19 (312) <replaced chart to fix Ranges line>

CQA Instructor PDF, 000, Install 4.0, February 26, 2004

## Quality Council of Indiana - Certified Quality Engineer (CQE)

### CQE Primer, 8th Edition, September, 2006

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  $\mu$  ->  $\sigma$  ] in first 3 equations for  $\bar{X}$  vs  $\mu$ ,  $\bar{X}$  vs  $\bar{X}$  and  $S^2$  vs  $\mu^2$   
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  $1/d2$  ->  $1/d2^*$  <several places>  
VI-92 <Q6.13>  $\sigma_1$  ->  $\sigma$   
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>  $y^2$  ->  $(\bar{y})^2$   
IV-26 Functional Limit:  $A_i$  -> Tolerance Specification:  $\Delta_i$   
IV-95 <two equations>  $\sigma^2_x$  ->  $\sigma^2_y$   
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.  
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 descripton 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

## Quality Council of Indiana - Certified Quality Engineer (CQE)

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  
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)<sup>2</sup> (0.0115) -> (0.0115)<sup>2</sup>

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

## Quality Council of Indiana - Certified Quality Engineer (CQE)

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, 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> $-\log_{10}$ -> $-10 \log_{10}$
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

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
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## Quality Council of Indiana - Certified Quality Engineer (CQE)

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 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>

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>  $\sigma_1$  ->  $\sigma$

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>

## Quality Council of Indiana - Certified Quality Engineer (CQE)

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

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\_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  $\mu$  ->  $\sigma$  ] in first 3 equations for  $\bar{X}$  vs  $\mu$ ,  $\bar{X}$  vs  $\bar{X}$  and  $S^2$  vs  $\mu^2$

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

## Quality Council of Indiana - Certified Quality Engineer (CQE)

VI-82 (765)  $1/d2 \rightarrow 1/d2^*$  <several places>  
VII-25 (811) CSSBB  $\rightarrow$  CQE <several places>  
VII-37 (823) AND was replaced with a different AND diagram  
IX-57 <numerator>  $v \rightarrow v_1x$   
X-32 <replaced p-chart>  
XI-114 <Listing of Factors and Levels corrected>

## CQE Instructor PDF CD

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  $\rightarrow$  012  
III-54 (320) furnishing of a service, to  $\rightarrow$  furnishing a service to  
after deliver or shipment  $\rightarrow$  after delivery or shipment  
IV-25 (390) <in equation>  $y^2 \rightarrow (\bar{y})^2$   
IV-26 (392) Functional Limit:  $A_i \rightarrow$  Tolerance Specification:  $\Delta_i$   
IV-95 (500) <two equations>  $\sigma^2_x \rightarrow \sigma^2_y$   
VI-16 (647) manufactures  $\rightarrow$  manufacturers  
VI-91 (773) <Q6.3> is a suspected  $\rightarrow$  is suspected  
VII-37 (823) <corrected latest times for 3  $\rightarrow$  5  $\rightarrow$  6  $\rightarrow$  7 events>  
VIII-18 (856) Seiko  $\rightarrow$  Seiri Seiketso  $\rightarrow$  Seiketsu  
VIII-18 (857) <add Shine, Standardize> Standardize  $\rightarrow$  Sustain  
IX-11 (916) represents a coded  $\rightarrow$  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  $\rightarrow$  Probability of occurrence  
X-37 (1025) conditions could  $\rightarrow$  conditions that could  
XI-52 (1132) 0.8  $\rightarrow$  -0.8 82.2  $\rightarrow$  88.2  
XI-71 (1155)  $r^2$  will equal +1 or -1 only  $\rightarrow$   $r^2$  will equal +1 only  
XII-12 (1219) <X - S> UCL\_R  $\rightarrow$  UCL\_S LCL\_R  $\rightarrow$  LCL\_S

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

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

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

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

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

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

CQE Instructor PDF, 002, October 23, 2006

Intro-1 (1) 000  $\rightarrow$  002  
VI-81 (764) <last row in table>  $R1$  bar  $\rightarrow$   $R1$  bar bar  
VI-82 (765) <Repeat eq>  $R1$  bar  $\rightarrow$   $R1$  bar bar <Repro eq> 0524  $\rightarrow$  0.524  
X-17 (1004) <first eq>  $s \rightarrow$   $\bar{s}$  bar

**Quality Council of Indiana - Certified Quality Engineer (CQE)**

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, 5th Edition, August, 2006

CQI Primer, 002, November 3, 2008

- Intro-3 001 -> 002  
III-26 PNormally used -> Normally used  
III-63 <Q3.21> following EXCEPT: -> following, EXCEPT:  
III-64 <Q3.32> A vernier measurement is made on a twenty-five division vernier scale. The vernier scale index is not aligned with main scale graduation at 0. In this case, the number of vernier lines which can coincide exactly with opposite lines on the main scale is:  
III-66 <Q3.60> Which of the following is NOT a transfer gage? a. Spring caliper b. Telescoping gage c. Combination square d. Split sphere gage

CQI Primer, 001, June 24, 2008

- Intro-3 000 -> 001  
II-38 <zepto>  $10^{21}$  ->  $10^{-12}$  <yocto>  $10^{24}$  ->  $10^{-24}$   
III-26 <font size corrected 12 pt -> 11 pt in table>

CQI Primer, 000, August 7, 2006

Title changed from Certified Mechanical Inspector (CMI) to Certified Quality Inspector (CQI). The Body of Knowledge did not change. The Primer contents changed only to reflect the CQI name. <changed all CMI -> CQI>

### CQI Solutions Text

CQI Solutions, 001, November 3, 2008

- Intro-3 000 -> 001  
3 <Q2.5> Reference: -> References:  
14 <Q2.23> Reference: -> References:  
45 <Q3.21> following EXCEPT: -> following, EXCEPT:  
48 <Q3.32> A vernier measurement is made on a twenty-five division vernier scale. The vernier scale index is not aligned with main scale graduation at 0. In this case, the number of vernier lines which can coincide exactly with opposite lines on the main scale is: <revised explanation>  
58 <Q3.60> Which of the following is NOT a transfer gage? a. Spring caliper b. Telescoping gage c. Combination square d. Split sphere gage <revised explanation>

CQI Solutions, 000, August 7, 2006

Intro-3 000

### CQI Exam CD

CQI Exam, Install 6.01, Program 4.0.6, Database 2.0.0, May 14, 2009

<Updated install program, did not change database>

CQI Exam, Install 5.04, Program 3.0.2, October 31, 2008

- ID-5 <Q2.5> Reference: -> References:  
ID-23 <Q2.23> Reference: -> References:  
ID-85 <Q3.21> following EXCEPT: -> following, EXCEPT:  
ID-96 <Q3.32> A vernier measurement is made on a twenty-five division vernier scale. The vernier scale index is not aligned with main scale graduation at 0. In this case, the number of vernier lines which can coincide exactly with opposite lines on the main scale is: <revised explanation>  
ID-124 <Q3.60> Which of the following is NOT a transfer gage? a. Spring caliper b. Telescoping gage c. Combination square d. Split sphere gage <revised explanation>

CQI Exam, Install 5.03, Program 3.0.2, August 27, 2008 (database is June 23, 2008)

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

CQI Exam, Install 5.02, Program 2.7.0, June 23, 2008

ID-506 <Changed I, II, III, IV to A, B, C, D, answer C is still correct>

## **Quality Council of Indiana - Certified Quality Inspector (CQI)**

CQI Exam, 000b, Install 5.01, Program 2.7.0, December 19, 2007  
<Added password

CQI Exam, 000, Install 5.00, Program 2.7.0, August 7, 2006  
<changed CMI -> CQI>

## **CQI Instructor PDF CD**

Intro-1 (1) 000a -> 002

III-63 (142) <Q3.21> following EXCEPT: -> following, EXCEPT:

CQI Instructor PDF, 000a, Install 5.01, Adobe 7.0, November 28, 2007  
Intro-1 (1) 000a

CQI Instructor PDF, 000, Install 5.00, Adobe 7.0, August 8, 2006  
Intro-1 (1) 000

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

### CQIA Primer, 2nd Edition, June, 2006

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

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

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

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
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

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

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, 004, June 16, 2009

Intro-3 003 -> 004

24 <Q3.11> heros -> heroes

51 <Q4.31> expectes -> expects

85 <Q6.13> reeengineering -> reengineering

112 <Q7.39> variabililty -> 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

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 4.01, 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> reeengineering -> reengineering

ID-287 <Q7.39> variabililty -> variability

ID-648 appopriate -> appropriate

ID-665 desireable -> desirable

ID-750 hinderances -> hindrances

ID-785 requeted -> requested

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

ID-810 Fisbone -> Fishbone  
ID-811 varieties -> 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, 009, install 2.06, June 16, 2009

Intro-1 (1) 008 -> 009  
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

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

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 <del> (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, 004, October 21, 2008

Intro-3 003 -> 004  
IV-43 <in equation>  $y^2 \rightarrow (\bar{y})^2$   
IV-44 Functional Limit:  $A_i \rightarrow$  Tolerance Specification:  $\Delta_i$   
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  
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

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

Intro-3            000

### CQPA Exam CD

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

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

Intro-1 (1)        001a -> 004  
IV-42 (160)       <in equation>  $y^2$  ->  $(y \text{ bar})^2$   
IV-44 (162)       Functional Limit:  $A_i$  -> Tolerance Specification:  $\Delta_i$   
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, 6th Edition, October, 2003

CQT Primer, 012, February 3, 2010

Intro-3 012 -> 013  
IV-45 Z in a table <add> (refer to the Standard Normal Table I in Section XII)  
<bottom add> \* Refer to the process capability discussion in Section V.  
IV-46 <3 graphics, show 0 1> Normal <bottom add> Table in Section XII  
IV-47 <Ex. 4.32 replaced graphic with cleaner one of the same curve>  
IV-51 <changed last line to> Note that the critical table values for d.f. = infinity are the same as  
the critical Z (Standard Normal) table values.  
V-25 <replaced p chart with cleaner version>

CQT Primer, 012, January 29, 2010

Intro-3 011 -> 012  
IV-37 <Fig 4.8> <added E\_2 in left figure>

CQT Primer, 011, October 16, 2008

Intro-3 010 -> 011  
II-41 Seiko -> Seiri Seiketso -> Seiketsu Standardize -> Sustain  
IV-7 <2nd P(r) eq> P^r -> p^r  
XII-41 Seiko -> Seiri Seiketso -> Seiketsu <add> Sustain II-41 Shine II-42  
XII-42/44 <items rolled from prior pages>

CQT Primer, 010, January 15, 2008

Intro-3 009 -> 010  
V-26 <corrected 2 equations to add 3 before sqrt(4.6)>

CQT Primer, 009, September 15, 2007

Intro-3 008 -> 009  
V-10 <Process variation figure was wrong, corrected>

CQT Primer, 008, April 5, 2007

Intro-3 007 -> 008  
III-23 <corrected slippage in table>  
IV-5 <lines were missing from distributions in Table 4.2>  
VII-38 <text was missing from Figure 7.6>

CQT Primer, 007b, March 27, 2007

II-29 99.99966% -> 99.99932%

CQT Primer, 007a, March 20, 2007

<box or table shading changed to 235>

CQT Primer, 007, February 21, 2006

Intro-3 006 -> 007  
V-37 <Example 5.1 changed Cp, Cpk, 1 -> Pp, Ppk, i>  
<Example 5.2 added R bar/d2, 1 -> R  
IX-9 may never died -> may never die  
IX-12 answer when has an -> answer when an  
IX-76 N = 150 -> n = 150

CQT Primer, 006a, January 25, 2006

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

CQT Primer, 006, November 30, 2005

Intro-3 005 -> 006  
IV-19 require -> required tropical region, or desert -> tropical or desert region  
IV-25 excessive ware -> excessive wear  
IV-28 preventative -> preventive Also know -> Also known

## Quality Council of Indiana - Certified Quality Technician (CQT)

XI-28 period or time -> period of time  
XI-33 in a Rejection and Disposition Tag -> on a rejection and disposition tag  
XI-34 action, and -> action

CQT Primer, 005, June 4, 2004

Intro-3 004 -> 005  
V-8 <replaced chart to correct Ranges line values>  
IX-16 <revised heading and examples for Rounding>

CQT Primer, 004, March 22, 2004

Intro-3 003 -> 004  
IX-35 size r sizes -> size or sizes  
XII-7 Replaced table font 9 -> font 10  
XII-8/27 <numerous small and major changes in Conversion Chart factors>

CQT Primer, 003, March 1, 2004

Intro-3 002 -> 003  
VI-2 <in para border change to initial caps for all topics>  
IX-82 D, 0, 1, 8 code letter D to E. -> D\*, 0, 1, 8 code letter E to D.  
<Header change to style on References>  
II-81/84, III-29/32, IV-67/68, V-45/48, VI-65/68, VII-47/50, VIII-35/38, IX-105/110, X-33/36,  
XI-37/40, XII-45/46

CQT Primer, 002, December 11, 2003

Intro-3 001 -> 002  
IV-66 <Q4.20> to be 0.01/hour -> to be 0.02/hour

CQT Primer, 001, November 18, 2003

Intro-3 000 -> 001  
Intro-5 TYPES OFAUDITS -> TYPES OF AUDITS  
I-2 examination.[sp]They -> examination.[sp][sp]They  
I-3 Sources -> Sources:  
I-12 Audit types -> Audit Types Audit components -> Audit Components  
Tools and techniques -> Tools and Techniques  
Preventive action -> Preventive Action Corrective action ->  
Corrective action Nonconforming material -> Nonconforming Material  
I-14 Statistical Techniques ©) -> Statistical Techniques (C)  
II-15 communications reviewing -> communications which review  
II-47 abilities.[HRt][HRt]In spite -> abilities.[HRt]In spite  
II-53 an agenda -> an agenda:  
II-65 <para dup of II-59> the team and the ... member must be removed. ->  
the individual may need to be removed from the team  
IV-32 formula for variance is: -> formulas for variance are:  
S/X bar -> COV = S/X bar  
IV-39 C: Mutually -> C. Mutually  
IV-53 An examples: -> An example:  
IV-59 level from a Z table -> level Z table value  
IV-62 H 0: u1 = u2 = ... = ut -> H 0: 1 = 2 = ... = t  
V-2 - R charts -> - R Charts  
V-6 <align = in equation>  
V-16 <2nd and 3rd equations, change = to bold>  
V-20 <equation, change = to bold>  
VI-3 digital versions -> digital versions  
VI-19 laster light -> laser light  
VI-24 <16 pt -> 14 pt> Mass and Weight  
VI-25 <16 pt -> 14 pt> Mass and Weight (Continued)  
VI-27 ball, HBW for tungsten carbide ball, older designation BHN) -> steel ball (older  
designation BHN) or HBW

## Quality Council of Indiana - Certified Quality Technician (CQT)

VI-40 average (AA is -> average, AA, is  
VII-14 identified them -> identify them  
VII-16 (n)[sp][sp]and -> (n)[sp][sp]and  
VII-33 piston<sup>superscript</sup>. -> piston.  
VIII-15 <updated screw thread graphic 8.11>  
VIII-38 <Q8.25> <del I, II, III, IV -> a. b. c. d.>  
IX-1/104 <need to reprint all white pages>  
IX-11 ISO VIM (1993)? -> ISO VIM (1993)21  
IX-9 to calibration an instrument -> to calibrate an instrument  
IX-60 (symbol I) -> (symbol i)  $I = E/R$  or  $R = E/I$  ->  $i = E/R$  or  $R = E/i$   
IX-79  $K = 1.908$  ->  $k = 1.908$   
IX-85 Normal Inspection Level II, Inspection level II is used when ->  
Normal Inspection, Used when <align> deteriorating.  
IX-95 <General cell, change right border single to double>  
IX-101 Lots are generally rejected -> Bad lots are generally rejected  
IX-103 <add> ISO VIM <reference 21>  
XI-19 result is Ineffective -> result is ineffective key roll -> key role  
XII-1 <header> XII. APPENDIX - TABLES -> XII. APPENDIX

CQT Primer, 000, October 23, 2003

Intro-3 000 Release

### CQT Solutions Text

CQT Solutions, 007, October 16, 2008

Intro-3 006 -> 007

146 <Q9.49> 10 miles -> 10.0 miles <calculation> 10.0 miles x 1.6093 km/mi = 16.093 km

CQT Solutions, 006a, March 1, 2007

<box or table shading changed to 235>

CQT Solutions, 006, February 21, 2006

Intro-3 005 -> 006

66 <Q5.17> A p chart plots one defect per chart. The p chart does plot either->  
The p chart plots either

97 <Q6.40> Section VI - 42. -> Sections VI - 42, VII - 12/22 and IX - 51/54.

CQT Solutions, 005, November 30, 2005

Intro-3 004 -> 005

75 <Q5.37> ppm -> 0.023 6.68 -> 6.70

CQT Solutions, 004, August 20, 2004

Intro-3 003 -> 004

49 <Q4.28 2 places> must be three -> must be an average of three

CQT Solutions, 002, December 11, 2003

Intro-3 001 -> 002

45 <Q4.20> to be 0.01/hour -> to be 0.02/hour

CQT Solutions, 001, November 18, 2003

Intro-3 000 -> 001

126 <Q8.25> <del I, II, III, IV -> a. b. c. d.>

131 <Q9.11>  $I = \text{current}$  ->  $i = \text{current}$

CQT Solutions, 000, October 23, 2003

Intro-3 000 Release

### CQT Exam CD

## Quality Council of Indiana - Certified Quality Technician (CQT)

CQT Exam, Install 4.02, Program 4.0.6, Database 2.0.0, May 8, 2009  
<Updated install program, did not change database>

CQT Exam, Install 3.22, Program 3.0.2, October 22, 2008 (database is December 10, 2007)  
<Updated install program, did not change database>

CQT Exam, Install 3.19, Program 3.0.2, August 27, 2008 (database is December 10, 2007)  
<Updated install and execution programs, did not change database>

CQT Exam, 009c, Install 3.18, Program 2.7.0, December 19, 2007 (database is December 10, 2007)  
<Added password>

CQT Exam, 009a, Install 3.17, Program 2.7.0, October 4, 2006  
ID-708 B. I only -> B. I, III, and IV only  
ID-750 valve -> value  
ID-955 <modified III> The individuals responsible for causing the problem

CQT Exam, Install 3.17, Program 2.7.0, February 21, 2006  
ID-141 <Q5.17> A p chart plots one defect per chart. The p chart does plot either->  
The p chart plots either  
ID-204 <Q6.40> Section VI - 42. -> Sections VI - 42, VII - 12/22 and IX - 51/54.

CQT Exam, Install 3.16, Program 2.7.0, November 30, 2005  
ID-136 an and R chart -> an X bar and R chart  
ID-161 <Q5.37> ppm -> 0.023 6.68 -> 6.70  
ID-571 1.181 -> 1.282 1.18 -> 1.28

CQT Exam, Install 3.15, Program 2.7.0, February 23, 2005  
ID-879 <answer choices changed> 1.509 -> 1.496, 1.508 -> 1.497, 1.51 -> 1.50, 1.50 -> 1.49

CQT Exam, 004, Install 3.14, Program 2.7.0, August 20, 2004  
ID-108 <2 places> must be three -> must be an average of three

CQT Exam, 005b, Install 3.13, Program 2.7.0, August 18, 2004  
ID-250 <in explanation changed c to d, answer c is still correct>

CQT Exam, 005a, Install 3.12, Program 2.7.0, August 16, 2004  
ID-879 <changed answer choices to 1.509, 1.508, 1.51, 1.50 inches, corrected explanation to 38.0 mm and 1.5086 in.

CQT Exam, Install 3.11, Program 2.7.0  
ID-100 <Q4.20> to be 0.01/hour -> to be 0.02/hour

CQT Exam, Install 3.09, Program 2.7.0, November 18, 2003, mdb file October 22, 2003  
ID-277 <Q9.11> I = current -> i = current

CQT Exam, Install 3.09, Program 2.7.0, October 23, 2003, mdb file October 22, 2003

## CQT Instructor PDF CD

CQT Instructor PDF, 011, Install 3.19, Adobe 7.0, October 16, 2008  
INTRO-1 (1) 007a -> 011  
II-41 (66) Seiko -> Seiri Seiketso -> Seiketsu Standardize -> Sustain

CQT Instructor PDF, 007a, Install 3.17, Adobe 7.0, November 28, 2007  
<No printing>

CQT Instructor PDF, 007a, Install 3.16, Adobe 7.0, March 21, 2007  
<box or table shading changed to 235>

## Quality Council of Indiana - Certified Quality Technician (CQT)

CQT Instructor PDF, 007, Install 3.15, Adobe 7.0, February 21, 2006

INTRO-1 (1) 005 -> 007  
IV-28 (169) preventative -> preventive  
IX-11 (406) answer when has an -> answer when an  
IX-76 (473) N = 150 -> n = 150  
XI-28 (568) period or time -> period of time  
XI-33 (573) in a Rejection and Disposition Tag -> on a rejection and disposition tag

CQT Instructor PDF, 005, January 12, 2006

IV-37 (179) <updated graphic>  
IV-38 (181) <updated graphic>  
IV-40 (183) <updated graphic>

CQT Instructor PDF, 004, Install 3.13, June 4, 2004

V-36 (248) CR < 1.00 -> CP < 1.00  
IX-16 (411) <revised heading and examples for Rounding>  
IX-16 (412) <revised heading and examples for Rounding>

CQT Instructor PDF, 004, Install 3.12, March 24, 2004

Intro-1 (1) 002 -> 004  
IX-35 (431) size r sizes -> size or sizes

CQT Instructor PDF, 002, Install 3.10, December 11, 2003

INTRO-1 (1) 000 -> 002  
IV-66 (212) <Q4.20> to be 0.01/hour -> to be 0.02/hour

CQT Instructor PDF, November 18, 2003

Intro-1 000

## Quality Council of Indiana - Certified Reliability Engineer (CRE)

### CRE Primer, 4th Edition, October 1, 2009

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.  
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 -> 5 at 200 volts  
VII-82 under normal conditions -> under stress conditions

CRE Primer, 002, September 9, 2009

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

CRE Primer, 001, August 20, 2009

Intro-3 000 -> 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, 007, February 16, 2010

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

CRE Solutions, 005, October 13, 2009

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

CRE Solutions, 004, September 9, 2009

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

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

## Quality Council of Indiana - Certified Reliability Engineer (CRE)

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 4.09, 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>

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 PDF CD

CRE Instructor PDF, 000, Install, Adobe 9.0, October, 2009

Intro-1 (1) 000 Not released yet

## 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, 026, May 18, 2010, CSSBB\_Primer\_2007\_026.pdc

Intro-3 025 -> 026  
VIII-101 R bar - 220/10 -> R 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  $\lambda \neq 0$  ->  $\lambda = 0$   
VII-74  $DPU = \ln(Y)$  ->  $DPU = -\ln(Y)$

CSSBB Primer, 023, April 22, 2010, CSSBB\_Primer\_2007\_023.pdc

Intro-3 022 -> 023  
III-23 450 - 1000 -> 450 - 100  
III-24 450 - 1000 -> 450 - 100  
VI-19 VAT/TLT = 100 -> VAT/TLT x 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><sup>2</sup>

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

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

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

<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  $1 - 0.9498 = 0.502$  ->  $1 - 0.9498 = 0.0502$

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

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

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

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  $H_0$  if  $H_0$  ->  $H_0 | H_0$   
X-13 <LCLx bar ->  $A_2$  ->  $A_3$   
X-14 <3 places>  $C_4 - c_4$   
XII-12  $C_4 - c_4$

### 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>  
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

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

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 <font size> BASIC TERMS  
VII-3 The Central Limit Theorem -> Central Limit Theorem  
VII-5 <del> Formula:  
VII-23 <del> 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 <del> 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

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

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

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 5.12, 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>

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)

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

### CSSBB Instructor Digital

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)  $\lambda \neq 0 \rightarrow \lambda = 0$   
VII-74 (613)  $DPU = \ln(Y) \rightarrow DPU = -\ln(Y)$

CSSBB\_Instructor\_2007\_023.pdc, April 22, 2010

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

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

CSSBB\_Instructor\_2007\_018.pdc, October 12, 2009

Release of CSSBB Instructor Digital

### CSSBB Instructor PDF CD

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 signa -> binomial sigma  
VII-67 (604)  $\lambda \neq 0 \rightarrow \lambda = 0$   
VII-74 (613)  $DPU = \ln(Y) \rightarrow DPU = -\ln(Y)$

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 %.

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

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)  $1 - 0.9498 = 0.0502$  ->  $1 - 0.9498 = 0.0502$   
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  
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, 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:  $\mu$  = Population mean  $X$  = Individual values  $\bar{X}$  = 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  $\bar{X}$  vs  $\mu$ ,  $\bar{X}$  vs  $\bar{X}$  and  $S^2$  vs  $\mu^2$   
IX-50  $X^2/N$  is the CM ->  $(\bar{X})^2/N$  is the CM  
IX-64 <Q9.17> A. -> a.  
X-32  $2^3 = 9$  ->  $3^2 = 9$   
X-41 <Q10.3> replicates -> replications  
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>  $DPU = \ln(Y)$  ->  $DPU = -\ln(Y)$   
VII-27 <Q7.6>  $s_{sub\ x} =$  ->  $s_{sub\ \bar{x}} =$

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

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

### 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  
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>

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

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  
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

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

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  
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, 011, March 3, 2010, CSSGB\_Solutions\_2007\_011.pdc

Intro-3 010 -> 011

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

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\_2007\_010.pdc , October 27, 2009  
Release of CSSGB Solutions Digital

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>

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

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 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 2.06, 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>  $s_{\text{sub } x} = s_{\text{sub } \bar{x}}$

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  
379 <Q11.11> 0.557 -> 0.577  $D_4 \rightarrow D_3$   
380 <Q11.12 LCL>  $\sqrt{3} \rightarrow 3\sqrt{3}$

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

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

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\_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, 021, Install 1.10, Adobe 7.0, April 23, 2010  
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

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

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

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

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

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

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

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

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

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

## Quality Council of Indiana - Lean Six Sigma

### LSS Primer, 1st Edition, April, 2007

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;

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

<Q2.17> Guiling -> Guiding <para indent Q2.18>

III-7 change of the test -> change or test step 2 and -> step 2, and

III-33/III-52 <font size in header from 12 pt to 11 pt>

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

## Quality Council of Indiana - Lean Six Sigma

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  
<font to 14 pt> 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  
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

## Quality Council of Indiana - Lean Six Sigma

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>

### LSS Instructor PDF CD

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

Intro-1 (1) 003 <initial release>

### END OF FILE ###