



**REGISTRATION**  
**Six Sigma Black Belt Training**  
**Starts: November 17, 2003**

Return this form with your payment to:  
 Transformation Partners Company L.L.C.  
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Bus. Phone: (    ) \_\_\_\_\_

Fax Number: (    ) \_\_\_\_\_

Email Address: \_\_\_\_\_

Number of Student(s): \_\_\_\_\_

Amount Enclosed: \_\_\_\_\_

Payment Method: \_\_\_\_\_

Signature: \_\_\_\_\_

*I understand the cancellation terms stated on the brochure.*

**Phone: (585)750-8203. E-mail: [Partner@TPCompany.com](mailto:Partner@TPCompany.com)**

**Society of Reliability Engineers**  
 and  
**Transformation Partners Company**  
 are pleased to announce:  
**Six Sigma Black Belt Training**

**Start Date: November 17, 2003**

**COURSE DESCRIPTION**

Six Sigma Black Belts are change agents and technical leaders who have developed a high proficiency in Six Sigma philosophy, concepts and tools. They are the “doers” in implementing Six Sigma strategies who lead and manage all aspects of improvement projects.

The Six Sigma Black Belt course follows the DMAIC (Define, Measure, Analyze, Improve, Control) model and teaches both soft and technical skills. The Black Belt candidate will learn how to effectively manage and lead projects successfully through a combination of classroom instruction and the completion of a Six Sigma project. Black Belt certification will be awarded upon successful completion of both the classroom instruction and the project.

The course consists of four 5-day training sessions conducted over four months with practical case studies and hands-on exercises. Candidates will then have time between the sessions to apply these skills to their project, which greatly increases retention of their new skills.

**WHO SHOULD ATTEND**

This course is geared toward engineers, managers, and other practitioners who will be leading Six Sigma improvement projects.

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## PROJECT REQUIREMENT

Each Black Belt candidate needs to complete a project in order to become certified. Long-term success of the candidates is more likely through the practical application of the techniques learned in the classroom. Transformation Partners Company Master Black Belts will provide project coaching and mentoring.

Projects may be selected by the company where the candidate is employed. In those instances where it is not possible to find a project through an employer, TPC will work with the candidate to find a project with a sponsoring company. All projects need to be approved by TPC prior to the start of the program to assure that the project will provide an appropriate opportunity for the candidate to apply the Six Sigma methodology.

## COURSE OUTLINE

<b>Week One:</b> <b>Define and Measure</b> <ul style="list-style-type: none"><li>• Introduction to Six Sigma</li><li>• Team facilitation</li><li>• Project management (project planning &amp; deliverables)</li><li>• Voice of the Customer (VOC)</li><li>• Project selection</li><li>• Project chartering</li><li>• Process mapping</li><li>• Introduction to Minitab</li><li>• Measurement System Analysis</li><li>• Project reviews</li><li>• Certification requirements</li></ul>	<b>Week Two:</b> <b>Analyze</b> <ul style="list-style-type: none"><li>• Cost of Poor Quality (COPQ)</li><li>• Six Sigma metrics</li><li>• Root cause analysis</li><li>• Process Failure Mode and Effect Analysis (FMEA)</li><li>• Introduction to statistics</li><li>• Central limit theorem</li><li>• Confidence intervals</li><li>• Hypothesis testing</li><li>• Sample size selection</li><li>• Analysis of Variance (ANOVA)</li><li>• Capability studies</li></ul>
<b>Week Three:</b> <b>Improve</b> <ul style="list-style-type: none"><li>• Introduction to Design of Experiments</li><li>• Planning experiments</li><li>• Factorial designs</li><li>• Screening designs</li><li>• Correlation and regression analysis</li><li>• Robust Design</li></ul>	<b>Week Four:</b> <b>Improve and Control</b> <ul style="list-style-type: none"><li>• Advanced Design of Experiment</li><li>• Key concepts of control</li><li>• Statistical Process Control (SPC)</li><li>• Lean thinking</li><li>• Project closeout</li><li>• Program wrap-up</li></ul>

## FEES

Registration fee includes training materials, as well as a continental breakfast and lunch each day of classes. Payment must be received prior to start of the class.

The fee for training is \$6,900 per person. For a limited time, TPC is offering a 10% discount on this training, if the registration is received by October 31, 2003. Receive an additional 5% discount if registering 4 or more students from one company.

## CANCELLATION POLICY

Full tuition is refunded if cancellations are made more than 30 days before the program begins. A \$50 processing fee is charged for cancellations made 7 to 30 days before the program begins.

Cancellations received less than 7 days prior to start date will receive a 50% refund of the tuition paid. Students who withdraw during the first week of the program will receive a 25% refund. Refunds are not given for cancellations made after the first week of the program (or for nonattendance or withdrawal). Substitute participants are welcome, as long as the change occurs prior to start of classes.

TPC reserves the right to cancel programs, substitute speakers and modify content.

## LOCATION

All classes will be held at the Monroe Community College Campus in Rochester, NY. Participants will be notified about the details.

## SPECIAL NEEDS

TPC is happy to assist you with any special needs. Vegetarian / Special Dietary meals will be arranged if requested prior to the seminar. Also, if you require any special services in accordance with the Americans with Disabilities Act, please let us know.