



Six-Sigma Green Belt Training



The Florida Sterling Council and Practical Quality Services, Inc have teamed up to offer a Six-Sigma Green Belt (Green Belt) training opportunity. The Green Belt curriculum is designed to provide the Green Belt Candidate with the skills and tools to design and implement Business Process Management and Process Improvement in their organization. This curriculum is based on the practical tools and skills most used in today's business environment to obtain the most improvement in work methods. The curriculum consists of 3 parts:

Part 1 – Process Management (December 1-2, 2011)

In this 2-day session the candidate will learn how to identify work processes in their organization at various “levels” and how to design Process Control Plans to manage those work processes to meet customer needs utilizing customer based performance measures, targets and analytical tools. Included in the session are the identification of processes, process customers, customer needs, performance measures, targets and tools for tracking performance.

Part 2 – PQS, Inc. Rapid Process Improvement Method (December 12-16, 2011 OR January 9-13, 2012)

This is a 5-day session where the candidate will be taught the technical and facilitation skills necessary to successfully plan and conduct a “Lean” event utilizing the proprietary PQS, Inc. Rapid Process Improvement Method (RPI). This session is case study based and thus class size is limited to 10 people to allow for maximum practice of the facilitation and technical skills. This workshop will include: identification of potential RPI events, planning an RPI event, facilitation skills, team dynamics, process mapping, process structure analysis using basic lean tools and concepts, operational barrier generation, barrier type coding, solution determination, implementation planning, and writing a standard work document we call a playbook.

Running a successful event will require a laptop computer, Microsoft Office and Visio software. These are not required for the class, but must be available for running events.

Part 3 – DMAIC (Define, Measure, Analyze, Improve and Control) Analytical Problem Solving Method (January 18-20, 2012 AND February 7-9, 2012)

This 6-day program is broken into two 3-day sessions with about 20 hours of homework between the two sessions. DMAIC is the analytical, statistically driven problem solving process

most utilized in business today. It is taught to nearly every Green Belt and Black Belt candidate. In the DMAIC process the candidate will learn how to plan a project, identifying a performance measure and a performance gap that will drive the direction of the project. Data collection and analysis utilizing moderately complex statistical tools will be taught. Advanced statistical tools are taught in the Six-Sigma Black Belt workshop. (Not presently offered by the Sterling Council.) Examples of tools taught and practiced in the workshop are: pareto charts, histograms, control charts, scatter diagrams, statistical correlation, process capability indexes, FMEA, EMEA and others. The intent of this workshop is to provide the candidate with the statistical tools most frequently found beneficial to the problem solver, those utilized 80-90% of the time in analytical problem solving. Although there are many activities and homework applications during the workshop, the final day is entirely devoted to an all-day simulation, "The Big Hurt," to allow the candidates to experience the DMAIC problem solving process for themselves.

The DMAIC workshop requires access to a computer with Microsoft Office and statistical software such as QI Macros. The computer will not be required in the class, but access for homework is required.

Six-Sigma Green Belt Certification

At the end of the workshop the candidate will need to complete a project pre-approved by PQS, Inc. that shows substantial improvement in a priority identified by their organization in order to be certified. Upon completion of this project and the required documentation PQS, Inc. will issue a certificate of certification from PQS, Inc. The candidate will have 1 year to complete the project, projects completed after one year do not qualify unless pre-approved at the time of project approval. More information on the project requirement will be provided during the training. A candidate cannot be certified without a successful project.

General Information

The Green Belt candidate will be provided a CD with all the workshop materials on it. They will need to print their own reference manuals from this disk, as well as many templates and case studies. The disk will have clear instructions for the printing of these materials. The CD also contains many templates and reference materials that need not be printed, but will be helpful and necessary in the implementation of Process Management and Process Improvement.

Registration

For registration and payment information please go to

<http://www.floridasterling.com/training-development-schedule.php#sixsigma>

The maximum amount of attendees for this training is 20. The first 20 people to register & pay will be able to attend. For additional questions about the training, please contact the Sterling Office at (850) 922-5316 or email Gayle at gthompson@floridasterling.com