

Concerned About Wastes or Rework?

Learn how to Maximizing Opportunities

How to Reduce Variation

How Does Quality Improvement Add to the Bottom-line?

The Need to attain Perfection



LEARN THE SIX SIGMA WAY.....

What is Six Sigma?

Six Sigma is a disciplined, data-driven approach and methodology for eliminating defects in any process -- from manufacturing to transactional and from product to service. The statistical representation of Six Sigma describes quantitatively how a process is performing. A Six Sigma defect is defined as anything outside of customer specifications. The fundamental objective of the Six Sigma methodology is the implementation of a measurement-based strategy that focuses on process improvement and variation reduction through the application of Six Sigma improvement projects.

Why is Six Sigma so attractive to so many businesses right now?

Being successful and staying successful in business is more challenging today than ever before. Companies like GE, Sun Microsystems and many others are flexing the Six Sigma system to create new products and improve existing processes etc. Leaders of these Six sigma companies know that this methodology encompasses a wide variety of simple and advanced tools to solve problems ,reduce variation to near zero by a target date, delight customers and demonstrate financial benefits by target date and speed up the process of improvement. Sounds like an efficient process? The Six Sigma methodology works on the six key ingredients needed to achieve Six Sigma capability within the organization.

- The genuine focus on customers
- Data and fact-driven management
- Process focus and improvement to increase customer satisfaction
- Proactive management
- Boundary less collaboration
- Drive for perfection with appreciable increase in staff Productivity.
- Decrease in Operational costs
- Increases revenue due to enhanced productivity

Words like 'mobilize' and 'accelerate' and 'high-impact projects' imply that people need mobilizing, that improvement needs accelerating, and that people are not already engaged on high-impact projects. Six Sigma is likely to produce far greater returns in organizations that need to achieve these things compared to organizations that are already doing them.

I would like to say at this point that there are thousands of people out there who know a great deal about Six Sigma.

As more companies embrace Six Sigma, the need to hire and train employees in the methodology grows. One issue facing beleaguered managers and human resource departments is how to determine whether an applicant truly possesses the Six Sigma skills required by the company as it will really help your organization eliminate or even prevent problems

Lets try to put this in a Real Life Scenario:

A surgeon at the top of his field has a “5.51 sigma ranking”. Sounds pretty good, right? That means that if he operates on 1,000,000 patients per year he loses 30 of them. When a process is operating at Six Sigma, it is seen that there are essentially zero defects within a process.

Benefits of Six Sigma

There are numerous benefits of six sigma as a way to address issues and problems. Among the benefits of six sigma is the decrease in defects that are allowed to reach the customer. You can get some sense of the benefits of six sigma by reviewing some six sigma projects. Other benefits of six sigma include:

- Focus on customers.
- Improved customer loyalty.
- Reduced cycle time.
- Less waste.
- Data based decisions.
- Time management.
- Sustained gains and improvements.
- Systematic problem solving.
- Employee motivation.
- Data analysis before decision making.
- Faster to market.
- Team building.
- Improved customer relations.
- Assure strategic planning..
- Reductions of incidents.

- Measure value according to the customer.
- Better safety performance.
- Understanding of processes.
- Effective supply chain management.
- Design and redesign products/services.
- Knowledge of competition, competitors.
- Develop leadership skills.
- Break-down barriers between departments and functions.
- Management training.
- Improve presentation skills.
- Integration of products, services and distribution.
- Use of standard operating procedures.
- Better decision making.
- Improving project management skills.
- Sustained improvements.
- Alignment with strategy vision, and values.
- Increased margins.
- Greater market share.
- Supervisor training.
- Lower costs to provide goods and services.
- Fewer customer complaints.

Origin of Six Sigma & Ranks

Originally invented by Motorola, the Six Sigma system contains belt rankings that represent a person's achievements utilizing Six Sigma methodologies and associated roles and responsibilities. These rankings are modeled after the martial arts system, as detailed below.

In 1991 Motorola certified its first 'Black Belt' Six Sigma experts, which indicates the beginnings of the formalisation of the accredited training of Six Sigma methods. In 1991 also, Allied Signal, (a large avionics company which merged with Honeywell in 1999), adopted the Six Sigma methods, and claimed significant improvements and cost savings within six months. It seems that Allied Signal's new CEO Lawrence Bossidy

learned of Motorola's work with Six Sigma and so approached Motorola's CEO Bob Galvin to learn how it could be used in Allied Signal

Yellow Belts (YB)

Yellow belt is the first level in the Six Sigma program. To get yellow belt status one must go through a training course in Six Sigma and pass an online certification. Yellow belt team members do not lead projects on their own, but they are usually a core team member with special knowledge on a project. Yellow belts are responsible for:

- The development of process maps to support Six Sigma projects.
- Running smaller process improvement projects using the Plan, Do, Check, Act (PDCA) method
- Being a subject matter expert on the Six Sigma project
- Experience level 0-2 Work Experience
- Exam is scheduled twice in a year- June & December

Yellow Belt Projects

- Usually limited to identifying small projects they could benefit from improvement

Training Fees-80,000 Naira

Exam Fees-60,000 Naira

Green Belts (GB)

Green belts are new team members that achieve certification after completing training in a Six Sigma course. To complete green belt training, new members must complete a relevant project that utilizes the DMAIC model outlined below. To maintain green belt certification, green belts generally complete DMAIC projects once every twelve months. Green belts are also responsible for:

- Recommending Six Sigma projects
- Participating on Six Sigma project teams
- Leading Six Sigma teams in local improvement projects
- Experience level- 3- 6 years Work Experience
- Exam is scheduled twice in a year (June & December)

Green Belt Projects

Green belts complete six sigma projects while still holding their current job duties. Therefore, a six sigma project undertaken by a green belt could include:

- Statistical analysis to improve reliability on a reactor within the green belt's current responsibility
- Root cause analysis and elimination of quality control problems that chronically affect the green belt's department
- **Training Fees**-100,000 Naira
- **Exam Fees**-70,000 Naira

Black Belts (BB)

Black belts are intermediate team members that employ in-depth technical expertise to achieve Six Sigma objectives. Furthermore, black belts can become temporary, full-time change agents for a moderate period of time (two-three years) to produce change using Six Sigma methods. Black belts are also responsible for:

- Demonstrating mastery of black belt knowledge
- Demonstrating proficiency at achieving results through the application of the Six Sigma approach
- Consultation for functional area Internal Process Improvement
- Coaching, Mentoring, and Recommending green belts
- Experience level 7-10 years
- Exam is scheduled twice a year(March & October)

Black Belt Projects

Black belts complete six sigma projects outside of their previous job duties. Therefore, a six sigma project undertaken by a black belt could include:

- Plant-level process controls improvement at a facility that greatly affects the finished product at a facility
- Assessment of total warranty/quality control issues at a facility through large scale statistical data analysis and improvement
- **Training Fees**-125,000 Naira
- **Exam Fees**-95,000 Naira

Master Black Belts (MBB)

The major duty of master black belts include acting as project leaders, as well as:

- Training and mentoring Black Belts and Green Belts
- Helping to decide large-scale Six Sigma projects
- Maintaining the quality of Six Sigma measurements

- Developing Six Sigma training
- Experience Level- Above 10years
- Exam is scheduled twice a year(March & October)

Master Black Belt Projects

Most master black belts would only be involved with directing black and/or green belts in their projects. Their effect on process would generally be limited to pointing out and suggesting large projects for appointed black belts to undertake.

Training Fees-200,000 Naira

Exam Fees-150,000 Naira

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We thank you for your interest in AVA Six Sigma Training and we look forward to having a long-lasting relationship with you and your organization as we intend to make it a rewarding experience.

Thank you.