

OLAO Lean Six Sigma Green Belt Training

The Office of Logistics and Acquisition Operations (OLAO) will host a 5-day training course for federal employees on Lean Six Sigma, a process improvement methodology, to help you address challenges in your daily responsibilities.

What is Lean Six Sigma (LSS)?

Lean Six Sigma is a set of methodologies used to systematically improve processes by:

- Emphasizing quality and/or speed of product or service delivery.
- Eliminating sources of variation (defects) and waste.
- Targeting process improvements around issues voiced by the customer and the organization.
- Measuring performance against original process requirements (baseline).

What will I learn?

In this 5-day training course, you will learn the LSS DMAIC methodology (Define, Measure, Analyze, Improve, and Control) to improve quality, productivity, customer satisfaction, and/or efficiency while reducing cost and/or waste. This course will include:

- Application of the DMAIC methodology.
- Proper identification of the scope and problem.
- Appropriate method to measure current and future processes.
- Tips and techniques to uncover root causes for problems.
- Data for decision making through statistical analysis.
- Lean techniques to reduce the '7 Forms of Waste'.
- Techniques to properly institutionalize improvements.

What is the certification process?

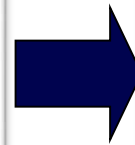


Green Belt Certification requires the three steps illustrated in the pie chart above. At the completion of this course, you must take the LSS Green Belt Exam. To receive your **40 CLPs**, you must earn an 80% or higher. In order to obtain a Green Belt certification, you must also complete a Green Belt project, which will need to be mentored by a certified Black Belt. All employees will have to pay for 52 hours of project mentoring over six months to become certified.

*Projects used for certification should be geared toward organizational needs and have an impactful ROI.



Before LSS



After LSS

Course Information

When: Monday, Feb. 29 – Friday, Mar. 4, 2016
8:30 AM - 4:30 PM

Where: 6001 Executive Boulevard Rockville, MD –
Training Room A

Who: Enrollment is open to all federal NIH Employees.
Class size is limited to 25 attendees

Cost: \$800 for the 5-day course that can be paid through a direct CAN citation to OLAO. There is an additional fee if interested in the 52 hours of project mentoring to become Green Belt certified.

Contact Information



For more information, please e-mail LeanSixSigma@od.nih.gov
To register, please click on the following link:
http://pwc.qualtrics.com/SE/?SID=SV_0P9ZP0uW0eXocsZ



*PwC, on behalf of OLAO/NIH, proudly presents this 5-day Green Belt training course developed and conducted as part of OLAO's Green Belt Certification process.

OLAO Lean Six Sigma (LSS) Green Belt Project Support

This document provides information about Lean Six Sigma (LSS) project mentoring facilitated by OLAO and demonstrates how applying an effective LSS project can provide a significant return on investment (ROI) to your office and customers.

Why LSS?

Budget cuts are forcing NIH – like all federal agencies – to find innovative methods to accomplish the same level of productivity with fewer resources. To deliver on its mission to support NIH customers, OLAO invested in developing and maturing an LSS Program to improve productivity, quality, customer satisfaction, and efficiency while reducing cost and waste.

The LSS methodology provides a rigorous, proven process improvement approach to addressing tough business problems and empowers staff to continuously improve the organization. OLAO is committed to building the process improvement capability organically by deploying a LSS program fosters a culture of quality and reduced waste. This culture begins with developing LSS practitioners across NIH called Green Belts (GBs). Certified GBs are staff trained in LSS who carry out improvement projects. To be a certified GB, a candidate must attend the OLAO LSS GB course, pass the proficiency exam, and complete an LSS project.

"90% of failed LSS projects are a result of lack of mentorship and leadership engagement."

-Mikal Harry
Founder of Six Sigma Academy

that

LSS Project Impact

Lean Six Sigma projects provide organizations with two key benefits:

Effective mentorship provides:

Effective coaching of GBs from project initiation to certification
Efficient task management to assist projects to close on time
Improved project quality
Improved ROI from projects
Just-in-time training to supplement GB training

Process improvement within the organization to reduce errors or eliminate waste, often resulting in significant returns on investment (ROI).

A learning experience to develop staff who can continue to provide impactful solutions to the organization long after the initial mentoring investment.

IC's realize significant savings by using their own people to solve their own organization's challenging problems in a condensed timeframe, avoiding potentially significant costs associated with contractor involvement or long-term projects. Furthermore, the lessons learned by the

Green Belt candidate can easily be imparted on new projects to further enhance value to the organization.

LSS GB Project Mentorship Costs

Project mentorship by a certified Black Belt has a cost component for staff outside of OLAO to help the office recoup its own costs for this mentorship. Note that OLAO is able to offer mentoring services at a significantly reduced rate to customers over what it would typically cost the IC from an outside source. Project mentorship by a certified Black Belt is required to obtain OLAO's LSS GB certification to ensure the candidates are up to the standard of a certified GB. To further reduce the cost to ICs, OLAO is able to offer discounts based on multiple candidates being mentored concurrently as they conduct one improvement project. Our Black Belt can help you organize the project in a way that achieves desired organizational outcomes while providing up to three candidates the required experience to meet certification requirements. Mentoring rates are highlighted below.

Key Assumptions – Projects that are delayed due to organizational challenges outside of project related issues may increase project mentorship resources and thus drive up the per project costs. Below are additional assumptions used in developing the pricing analysis.

GB candidates will have full support from their respective organization's leadership

Candidates will identify a viable LSS GB level project

Candidates will have the opportunity to work on their LSS projects

Project support costs are based on number of GB candidates per project

LSS Mentor	Cost per Hour	Number of GB Candidates	Total Project Mentorship Hours	Gate Review Support Hours	Certification Preparation Hours	Cost	Cost per Candidate*
OLAO Black Belt	\$134	1	40	8	4	\$6,968	\$6,968
		2	50	9	5	\$8,576	\$4,288
		3	55	10	6	\$9,514	\$3,171

OLAO LSS GB Project Mentorship Pricing Analysis

*Please note, cost per person decreases with more candidates, because the number of hours to provide project mentoring does not increase linearly per candidate. In other words, larger teams will need slightly more hours of support overall, but will not need double or triple the amount of support with two or three GB candidates.

OLAO LSS Training & Project Mentoring Past Performance

LSS Green Belt training provided to **197** leaders from **27** Institutes, Centers, and Offices across the NIH.

25 NIH employees have been mentored through the OLAO Green Belt certification program, successfully completing **20** improvement projects.

Successful project outcomes have included:

Reduced acquisition redundancy/duplicated purchase efforts

Reduced inventory shortage levels to less than 2%

Improved freezer accountability and lifecycle management

Standardized reporting that facilitates improved procurement projections