

Reducing the Risk of Lean Six Sigma Competency Office (LSSCO) Green Belt Project Completion Time

Maurice Alvarez, Tyler Bonfe, Lydia Kim, Donna Korycinski, and Beatriz Martorell

Department of Systems Engineering
United States Military Academy
West Point, New York

Lean Six Sigma Competency Office (LSSCO)
Picatinny Arsenal, New Jersey

Maurice.alvarez@usma.edu, Tyler.bonfe@usma.edu, Lydia.kim@usma.edu, Donna.korycinski@usma.edu,
Beatriz.martorell@usma.edu

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Abstract: The U.S. Army Armament Research, Development, and Engineering Center (ARDEC) and the Program Executive Office Ammunition (PEO Ammo) are organizations located at Picatinny Arsenal, NJ. Each organization has employees who can obtain professional certifications in the Lean Six Sigma (LSS) methodology through the Lean Six Sigma Competency Office (LSSCO). Specific analysis was limited to the Green Belt (GB) projects that are presented for certification through the LSSCO. These GB projects are intended to develop improvements in the areas of quality/customer satisfaction, cost, schedule, and risk for ARDEC/PEO Ammo. Their trainees are expected to complete their GB projects within 3-6 months. Consequently, the LSSCO is interested in developing an improved process whereby GB Candidates will have a better probability of completing their projects within the expected timeframe and reducing the risk of non-completion; this paper will discuss how LSS was utilized in developing an implementation plan for accomplishing this objective.

Keywords: Project Completion Time, Lead time reduction, LSSCO