Proceedings of the 5th Annual World Conference of the Society for Industrial and Systems Engineering, San Francisco, CA, USA October 13-14, 2016

Critical Success Factors in Medical Quality Systems

A.J. Villa, E. Martinez, V. Torres, J. Hernandez, and S. Noriega

Universidad Autónoma de Ciudad Juárez Instituto de Ingeniería y Tecnología Departamento de Ingeniería Industrial y Manufactura Ciudad Juárez, Chihuahua, México

Corresponding author's Email: ing.aldojvillasilva@gmail.com

Author Note: A. Villa is an Industrial Engineer currently coursing a Master degree in Industrial Engineering in UACJ, has a participation in the SMIO (Mexican Society of Operation Research) explaining the application of shorter route method to solve a local traffic problem using TORA program. Also has published a couple of articles for CONACYT magazine.

Abstract: Quality assurance through quality systems implementation has been applied to different areas such as industries and service companies, including health sector. However, researches about QM in health sector do not provide accurate information about what makes these systems successful, or even the failure causes. In research through literature finding for critical factors that makes the quality assurance effective, there are also, a large diversity of factors that even can show disagreements. Therefore, it is proposed to develop a research in order to identify critical success factors in effective implementation of quality systems in health sector in Juarez city, through a methodology that allows determine the significant critical factors. This paper was developed through a deep review of literature about the critical success factor for quality systems management, as well as empirical study related with QM's implementation in different hospitals and health centers in Juarez city, Mexico.

Keywords: Critical Success Factors, Quality Assurance, Quality Systems.