

Team Temperature Assessment Framework – A Measure for Team Effectiveness based on the Boeing Portland Production System

By Aaron M. Sprunger

Candidate for Master of Science

Major Professor: Dr. Javier Calvo-Amodio

Abstract

As organizations strive to adapt to changing environments, many turn to continuous process improvement programs. Effective teaming (teamwork) has been identified as fundamental in continuous process improvement implementation; however, there are discrepancies in the literature regarding defining effective teaming and ways to measure it. At varying levels of an organization (e.g., individuals, teams) this issue commonly presents as resistance to change for continuous process improvement managers as they implement initiatives in their respective organizations. The objective of this research is to provide managers tools to help identify and overcome resistance to change through effective teaming. A case study at Boeing Commercial Airplanes Portland builds on current literature to develop an ontology of effective teaming, its own development process, and a theoretical framework for use by continuous process improvement managers to explore effective teaming in practice. This study moves effective teaming closer to a proactive (as opposed to reactive) operationalized approach that can be used to understand and guide work groups toward a successful continuous process improvement implementation.

Wednesday, June 7, 2017

10 AM, Rogers 226



School of Mechanical, Industrial, and Manufacturing Engineering