

Process Improvement Using the Capability Maturity Model Integration (CMMI) and Lean Six Sigma (LSS)

These days CMMI is a common contractual requirement, so it's not a matter of if you need it, but rather how to use it to best help your organization improve business processes. Process improvement can be a complex, overwhelming process in itself though, which is why a company like ARINC can help you keep your focus on what matters most—producing and maintaining quality products and services.

We specialize in assisting organizations with systems/software development and services environments to implement CMMI and reap the maximum benefits. CMMI will give management the tools for accurate planning and better organizational control of the development and services processes addressing productivity, performance, costs, and stakeholder satisfaction. ARINC will help your organization work smarter—not harder—in a productive and stable framework.

Utilizing CMMI and Lean Sigma Six (LSS) models together

ARINC offers expertise, both in-house and for customers, in using integrated-model processes to perform major engineering development projects. In environments where multiple approaches and models must coexist together, like ISO 9001 and CMMI among others, LSS can be used to support the most efficient adoption and use of CMMI.

Lean Six Sigma (LSS) combines the best from Lean, Six Sigma, and the Theory of Constraints into a synergistic management and improvement approach.

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DEDICATION BEYOND EXPECTATION



Quick Facts

- ▶ In-house processes modifications to satisfy CMMI requirements
- ▶ Full CMMI and LSS staff training
- ▶ Team facilitation, task progress tracking, and management report preparation
- ▶ Lean Six Sigma teams mentoring



Key features include:

- ▶ Customer focus
- ▶ Variation reduction
- ▶ Waste reduction
- ▶ Wisdom of many versus knowledge of one
- ▶ Process speed increases
- ▶ Creating culture of continual process improvement
- ▶ Defect reduction

ARINC's experienced personnel and proven performance will assist your organization in completing the CMMI-compliance process quickly and efficiently. We have both SEI certified CMMI lead appraisers and LSS Black Belt certified and experienced personnel on staff. As an SEI Partner, we are fully authorized to conduct CMMI Appraisals (SCAMPI: A, B, and C) and to teach both the full three-day SEI training course (Introduction to the CMMI) and the one-day Services Supplement for CMMI v1.2.

ARINC customizes process improvement plans appropriate for each individual organization, including:

- ▶ Value Stream Mapping: mapping core processes to target opportunities for process improvement
- ▶ Gap Analysis: determining where your organization is today

- ▶ Planning: creating a plan to achieve process improvement goals
- ▶ Training: providing the training needed to implement CMMI
- ▶ Mentoring: mentoring your process improvement staff in their CMMI or LSS process improvement efforts
- ▶ Implementation: assisting throughout the implementation process, including reviewing process documents and providing feedback
- ▶ Appraisals: performing CMMI appraisals and readiness reviews of each organization

ARINC, a portfolio company of The Carlyle Group, provides communications, engineering and integration solutions for commercial, defense and government customers worldwide. Headquartered in Annapolis, Maryland with regional offices in London and Singapore, ARINC is ISO 9001:2008, AS9100, and CMMI certified.

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