

# CMMI – In Federal IT

## A Model for Optimizing IT Deployments and Reducing Risk

Alpha Omega Integration was recently appraised at CMMI Maturity Level 5 for both Development and Services practices using the new V2 Model. Alpha Omega Integration now has 3rd party validation of its quantitative techniques that optimize, innovate, and deliver value while mitigating risk in the environment. **We are not aware of any other company in America who has achieved this combined rating at maturity level 5 with the new V2 Model.** While recognition for this achievement from our customers has been overwhelming, it has also started a great conversation on how this capability can help our customers achieve their mission. We have developed the brief below to provide insight into some of the most common questions we have received and to help our customers better understand what the benefits of this framework means for them.

### What is CMMI?

CMMI, or Capability Maturity Model Integration, is a capability improvement framework that provides an organization with the essential elements of effective processes that ultimately improve their performance. Proven effective in organizations and governments globally over the last 25 years, CMMI consists of collected best practices designed to promote the behaviors that lead to improved performance and better risk management in any organization. Level 5 indicates optimized and continuous improvement so the impact of processes and technology can be predicted and effectively implemented with minimum rework. Third party appraisal at Level 5 is testament to Alpha Omega's company culture of continuous improvement and our mission focused approach to serving our customers.

## CMMI Maturity Level Benefits

CMMI ML5 - demonstrating unparalleled commitment to quality and continuous process improvement - improves quality, saves time and money, and gives customers more business value

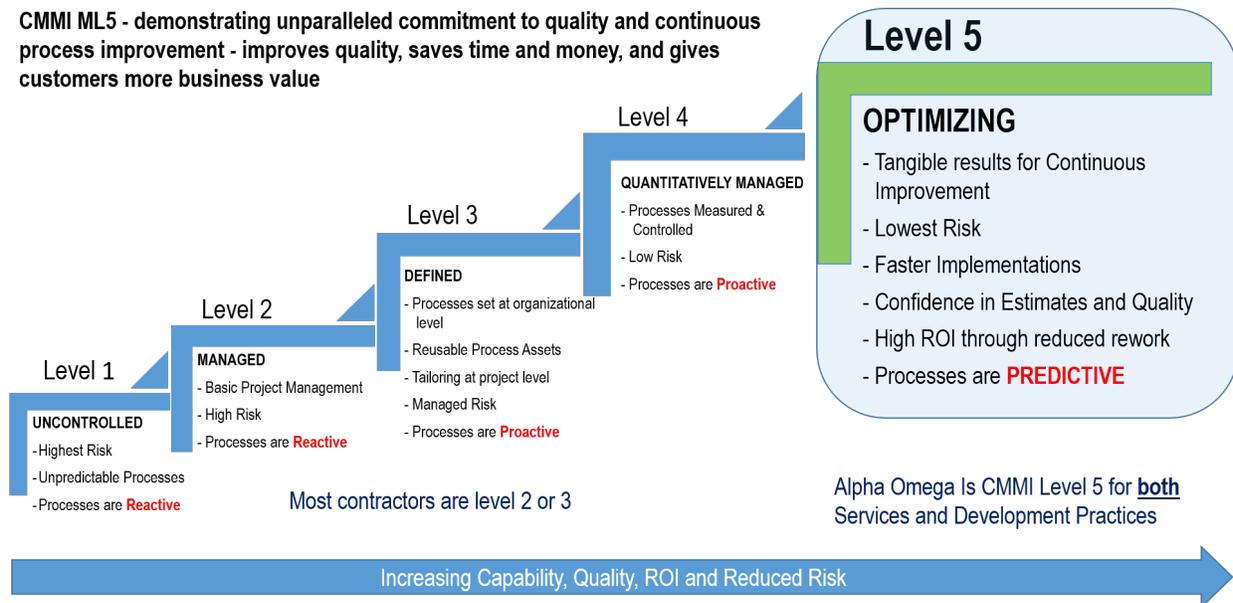


Figure 1: CMMI Maturity Levels Showing Benefits of Each Level Which Are Cumulative and Progressively Increase Organizational Capability, Process Control and Quality While Reducing Overall Risk

### Why is Maturity Level 5 Important?

According to CMMI, “An appraisal at maturity level 5 indicates that the organization is performing at an “optimizing” level. At this level, an organization continually improves its processes based on a quantitative understanding of its business objectives and performance needs. The organization uses a quantitative approach to understand the variation inherent in the process and the causes of process outcomes.”

Not only is Level 5 the highest rating possible, it indicates optimized process methodologies within an organization. Companies that achieve this level provide their customers a high degree of assurance that IT processes are being implemented utilizing best practices. This in turn improves ROI by reducing rework as it addresses root causes of issues (preventing recurrence) and likely mitigates potential issues through preventive actions. Customers working with level 5 organizations also benefit from their stability which provides a platform for agility and innovation.



# CMMI DEV / 5<sup>SM</sup>

CMMI®V2.0 / Exp. 2024-05-03 / Appraisal #53330



# CMMI SVC / 5<sup>SM</sup>

CMMI®V2.0 / Exp. 2024-05-03 / Appraisal #53330

## How Does This Impact My Agency?

Alpha Omega Integration employs the CMMI practices to form the infrastructure and governance framework that supports all of our project lifecycles end to end. While government agencies that partner with Alpha Omega can employ a customized process per their specific needs, they can still be confident that they will be getting the benefits of industry benchmarks and best practices. This is because the governance framework seamlessly integrates the best practices with customer needs for smooth project operations with high quality deliverables and performance excellence. This validation helps ensure quality service to meet customers' Low Code Development, IT Modernization, Intelligent Automation, Cloud Engineering, and Data Center Modernization needs.

## In Summary, Alpha Omega Utilizes CMMI Level 5 Practices to Ensure the Following for Customers:

- Performance Excellence: The focus of Level 5 is optimizing and continuous improvement. This helps ensure the impact of processes and technology can be predicted and effectively implemented (with minimum rework) when needed.

- **Quality:** CMMI ensures Alpha Omega develops and implements processes that are repeatable and ensures consistent high quality through standardization of those processes. This translates to quality deliverables to our government customer that mitigate the possibility of defects or issues.
- **Better ROI:** Fewer defects due to the use of standardized and tried and true processes, including root cause analysis to prevent recurrence of issues, results in less rework hence better productivity.
- **Improved Capability:** Adherence to process consistency and predictive mechanisms lifts and continuously improves employee skill levels through planned and forward thinking training and follow through.
- **Accurate Planning:** Access to organizational metrics and historical data leads to easier and more accurate estimates for planning purposes.
- **Faster Implementation:** Access to a vast set of relevant process assets (guides, templates, etc.) helps reduce start up time for new projects or phases as well as on-ramping new employees. At higher maturity levels, accurate estimation and planning utilizing statistical models helps ensure a high degree of confidence in scheduling and cost projections.