

ABRAMS AIRBORNE MANUFACTURING STRENGTHENS CMMC  
READINESS WITH ARIZONA MEP'S CYBERSECURITY SUPPORT

**ABOUT ABRAMS AIRBORNE MANUFACTURING, INC.** Since 1965, [Abrams Airborne Manufacturing, Inc.](#) has been a trusted precision manufacturer serving the aerospace, defense, and commercial sectors. The company operates more than 150,000 square feet of manufacturing space in Tucson and employs over 150 people across 26 departments. In addition to its long-standing precision sheet metal and machining operations, Abrams has expanded its defense presence through divisions such as VLTOR Weapon Systems and its subsidiary, Milkor U.S.A., making it a key supplier to prime contractors.

**THE CHALLENGE.** As Abrams' defense work grew, the need to strengthen cybersecurity controls to protect Federal Contract Information (FCI) and Controlled Unclassified Information (CUI) also increased. Although the company had a basic foundation, leadership did not have full confidence that it met the extensive requirements of the Cybersecurity Maturity Model Certification (CMMC). With a small internal IT team supported by a managed service provider, the company needed a structured, cost-effective approach to ensure compliance without adding significant overhead. "We're a growing defense supplier," said Calley Carpenter, Chief Executive Officer. "Our concern was how to meet these requirements at the highest level without adding excessive overhead that would strain our business."

**MEP CENTER'S ROLE.** Abrams had previously worked with Arizona MEP on technical training, including leadership development and soldering. When it came time to address CMMC, they again turned to Arizona MEP for a comprehensive, phased approach tailored to their needs.

Arizona MEP began the cybersecurity engagement in December 2024, guiding the company through a structured process that included:

A comprehensive assessment aligned with NIST SP 800-171 requirements  
Development and updates to more than a dozen cybersecurity policies  
Expansion of a robust incident response plan and facilitation of realistic tabletop exercises

Network mapping and support in defining a secure architecture

Clarification of requirements, prioritization of IT projects, and assistance with operationalizing compliance

This step-by-step support provided clarity without unnecessary technical jargon, helping Abrams understand exactly what needed to be done and why.

## The Results

With Arizona MEP's guidance, Abrams transformed its cybersecurity policies. Every employee—from engineers to production staff to custodial team members—received training, significantly increasing company-wide awareness of cybersecurity responsibilities. Updated policies, clear procedures, and hands-on exercises strengthened internal capabilities and gave the IT team greater knowledge and confidence.

"This process significantly strengthened our internal staff's capabilities," said Carpenter. "Instead of sending people to a one-day training session and hoping it fits our processes, we now have tailored systems, stronger procedures, and a better understanding throughout the company."

The company is now confident in its ability to self-certify and maintain compliance, and it has added a full-time IT role to support its security infrastructure. Abrams also plans to send additional employees to Arizona

## RESULTS



Annual cost savings in the  
**\$40,000** range



Certification helped retain all  
the defense business, totaling  
**\$18** million



Added one full time IT position  
specifically for CMMC  
compliance

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**ARIZONA**  
MANUFACTURING  
EXTENSION PARTNERSHIP

MEP leadership training, continuing a partnership that supports both workforce and operational excellence.

"This process really grew the capabilities of our internal staff. Instead of sending people to a one-day training and hoping it fits our processes, we now have tailored systems, stronger procedures, and a better understanding across the company.

The company is now confident in its ability to self-certify and maintain compliance and has added a full-time IT position to continue supporting its security infrastructure. Abrams also plans to send additional employees to Arizona MEP leadership training, continuing a partnership that supports both workforce and operational excellence."

-Calley Carpenter, CEO