General Membership Luncheon Meeting
18 January 2024, 11:30 a.m. – 1:00 pm
Cafe Cino Private Room, Hilton Guam

AGENDA

Lunch
Pledge of Allegiance
Welcome visiting/new members and guests!

Opening Remarks	**Chuck Hazzard III, PMP** SAME Guam Post, President
Member Spotlight	Amentum David J. Gillihan Vice President of Operations, Critical Missions
Main Presentation	**Introduction to Cybersecurity Maturity Model Certification (CMMC)** Marianas Information Technology Services (MITS) Plamin Rabino, Sr. Cybersecurity Lead Bryan Pablo, Assist IT Manager

Guam Post	*February 22, 2024* EALS Week Joint Membership Meeting, Hyatt Regency Guam
	February 23,2024 Charlie Corn Scholarship Application Deadline
National	*February 14-16, 2024* Career Transition Workshop (Linthicum Heights, MD)
	February 18-24, 2024 Engineer's Week
	March 25-27, 2024 Capital Week (Rockville, MD)
	May 14-16, 2024 Joint Engineer Training Conference (JETC) & Expo (Kissimmee, FL)

Adjourn

Member Spotlight

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David J. Gillihan

Vice President of Operations, Critical Missions

David Gillihan is Vice President of Operations for Amentum's Critical Missions Business Unit, Logistics and Supply Chain Sector. In this capacity, he is responsible for overseeing 13 different Engineering and Installation Support Task Orders throughout the Middle East, Africa, Japan, and the United States, with a combined contract value of over $600M.

A graduate of the University of Miami, FL (B.S, Mathematics) and the University of Colorado (M.S., Telecommunications), David held numerous leadership positions during his 20-year U.S. Air Force career, including Director of the U.S. Air Force Warfare Studies Institute, Program Director for the Office of the U.S. Security Coordinator for Israel and the Palestinian Authority, Command Pilot/Flight Examiner, and Political/Military Affairs Officer. He has extensive experience conducting operations throughout the Middle East, Southeast/Central Asia, and Pacific, and was one of a select group of pilots qualified to lead missions into austere locations throughout Alaska, supporting Long Range Radar sites within the Arctic Circle. As a result of his Master's thesis on Global Positioning System vulnerabilities, David was invited by the USAF's Phillip's Laboratory to put his thesis into practice by designing hardware that would be flown aboard a successful ballistic missile flight test at the Wallops Island Flight Facility. In addition to his operational experience, David is equally at home in the classroom. An enthusiastic and dedicated educator, David was named "Educator of the Year" by the Air Force's Air Education and Training Command for his work as a faculty member at the Air Force's Air University and selected as "Instructor of the Year" by four separate organizations throughout his career.

After his retirement from the USAF David joined DynCorp International, supporting the Department of State's (DOS) Security Sector Transformation Program in Jerusalem. He later served in a variety of positions of increasing responsibility with DynCorp (and later with Amentum) as Director of West Bank Operations, Program Manager, and Vice President on 30+ Department of Defense, DOS, and commercial contracts from Afghanistan to South Sudan. In September 2021, David assumed oversight of Amentum's Air Force Contract Augmentation Program (AFCAP) contract, which was recently awarded an Urgent and Compelling contract to support typhoon recovery efforts in Guam and Okinawa, Japan. David is currently pursuing his second graduate degree (a Master of Business Administration from Louisiana State University) and enjoys long-distance motorcycle touring. He resides in Fort Worth, TX, with his wife Heather, and has two children, Hannah and Nicholas.

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Company Overview

David Gillihan, Vice President of Operations, Critial Missions

Society of American Military Engineers
General Membership Meeting (Guam)

January 18, 2023

https://vimeo.com/manage/videos/812027206

STRATEGIC ENABLER

Innovative Solutions

Modernization & Sustainment | **Digital Engineering** | **Environmental Services /Clean Energy** | **Data Integration & Analytics**

LABS & CENTERS OF EXCELLENCE

- Model-based systems engineering
- Software Center of Excellence
- Center for Analytic Innovation

DIFFERENTIATED SOLUTIONS

MissionWise
Analytic solution that utilizes its agility to promote efficiency

MissionAutomate
Advanced process automation

MerlinMX
Smart sustainment and logistics using AI/ML, augmented reality, and IoT

SupplyTrac
Comprehensive logistics supply chain management tool

DELTABRIDGE
1,000+ network installations and operations in 30+ countries

WaaSP
Weapons as a Sensor Platform (WaaSP)
Small arms training and inventory systems

WORLD-CLASS EXPERTS

- Over 36,000 team members in 72 countries, all 7 continents
- 56% hold clearances
- 89% work at customer sites
- 1,521 have PhDs

Developing and implementing new solutions to modernize tomorrow's missions.

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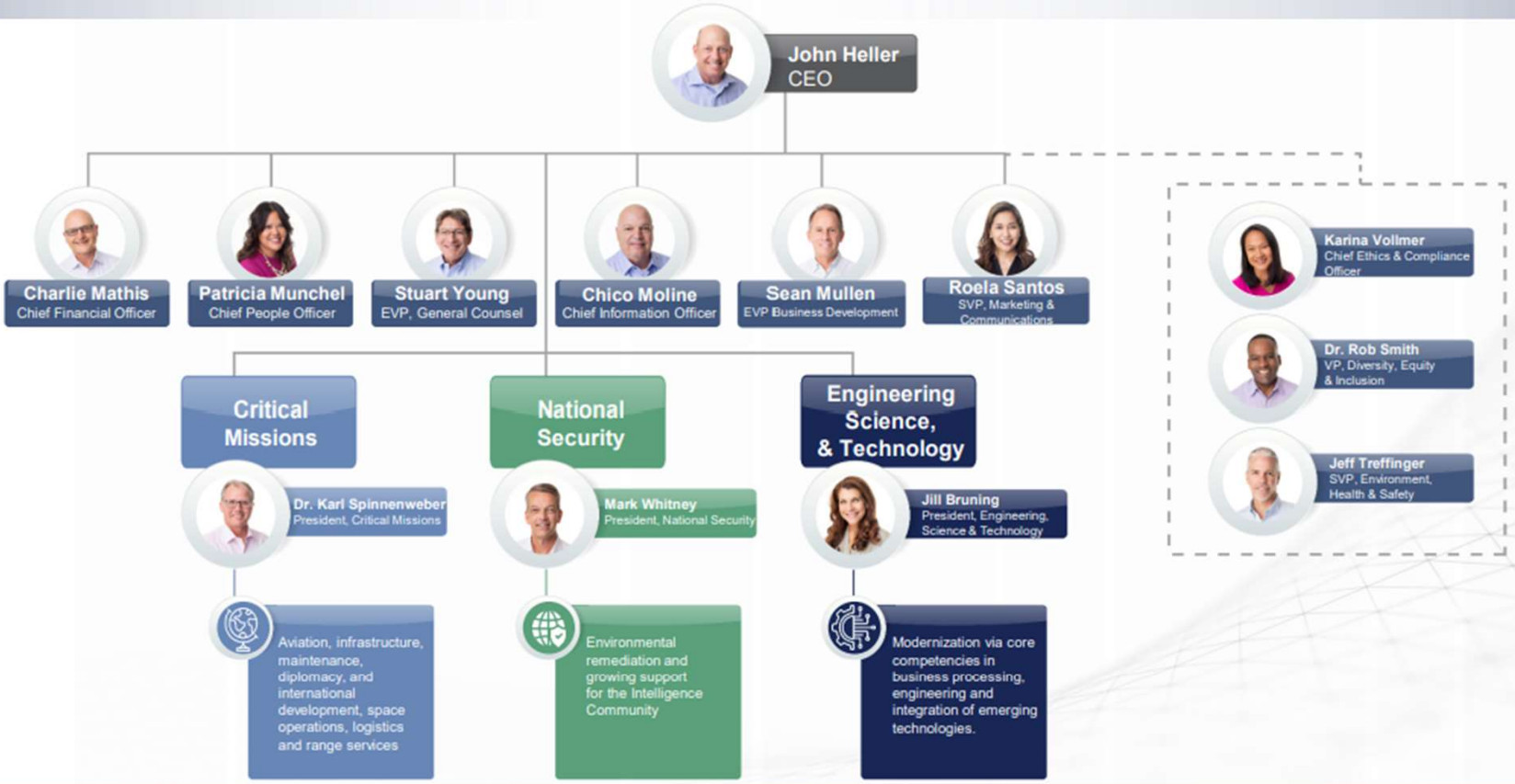
Amentum Corporate Structure



We have business and functional leaders, hand-picked to position us for growth

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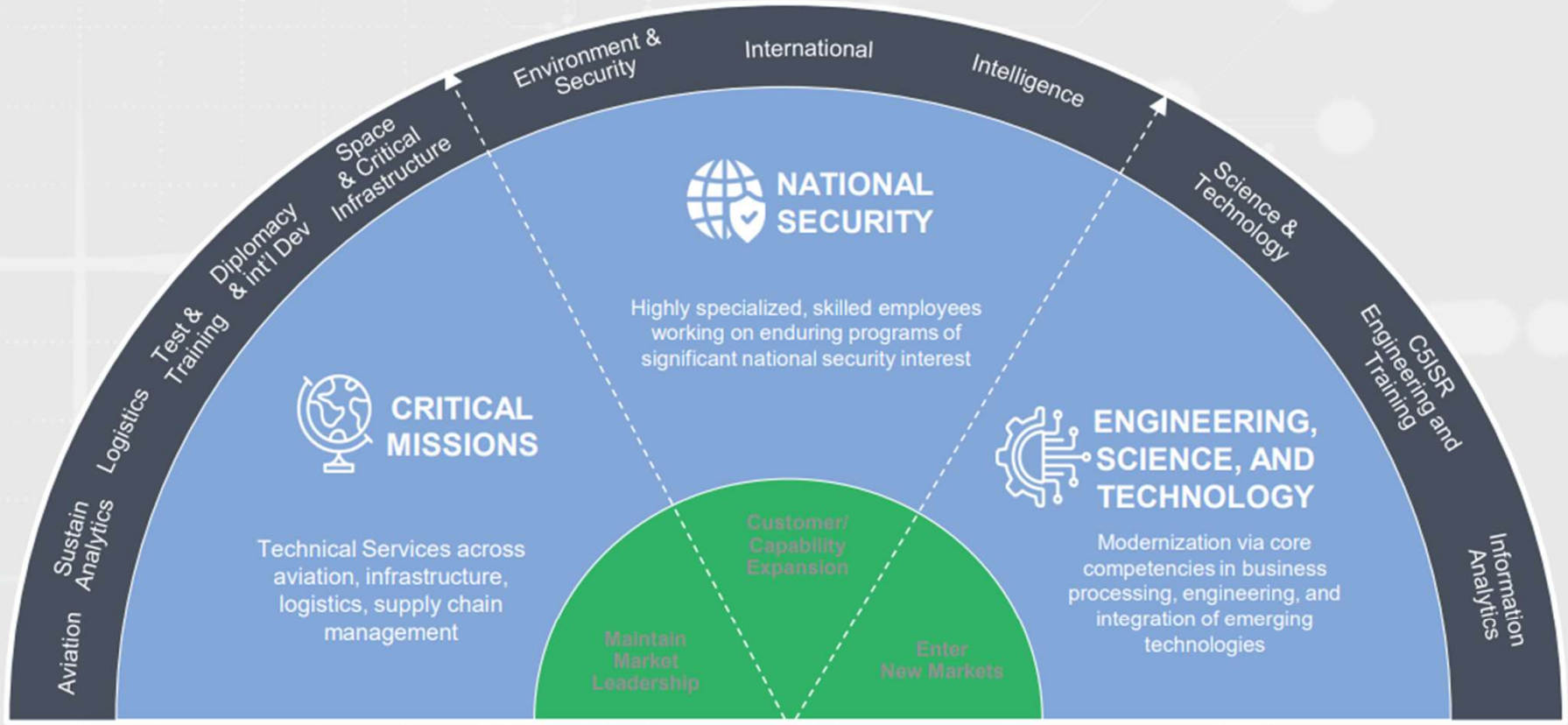
Amentum Business Groups



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The Future

20 November 2023: After the 2020 and 2021 acquisitions of DynCorp International and PAE, Inc., respectively, Amentum announced that it intends to merge with Jacobs Critical Missions Solutions (CMS) and the Cyber and Intelligence (C&I) businesses.

- When complete, Amentum will be one of the largest providers of global systems integration and technology solutions for the U.S. and our allies

- Amentum will be a publicly-traded company with $13 billion in revenue and approximately 53,000 employees.

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Amentum and Jacobs CMS/C&I

Enhanced Portfolio Aligned with Key Growth Areas

	Intelligence, Science and Technology	Energy and Environment[al]	Mission Solutions
Business Highlights	• Leading NASA services provider with comprehensive mission solutions • Premier solutions integrator with programs supporting all 5 major Intelligence Community customers	• A global environmental remediation and renewable energy leader for U.S. federal government and allied nations • Delivering solutions across the full span of the energy life cycle	• A go-to partner for the U.S. Government on complex national security priorities • A global leader in platform sustainment, logistics, mission, and test and training systems
Notable Customers	DARPA, Missile Defense Agency, NASA, National Reconnaissance Office	Department of Energy, Environmental Protection Agency, NDA, AWE	U.S. Air Force, U.S. Army, U.S. Navy, U.S. Marine Corps
Key Budget Priority Areas	• Capabilities aligned with customer priorities in data analytics, cyber, hypersonics, and autonomy	• At the forefront of next generation developments in hydrogen, fusion, and small modular reactor technology	• Strategically positioned in geographic areas with budget tailwinds (e.g., APAC)

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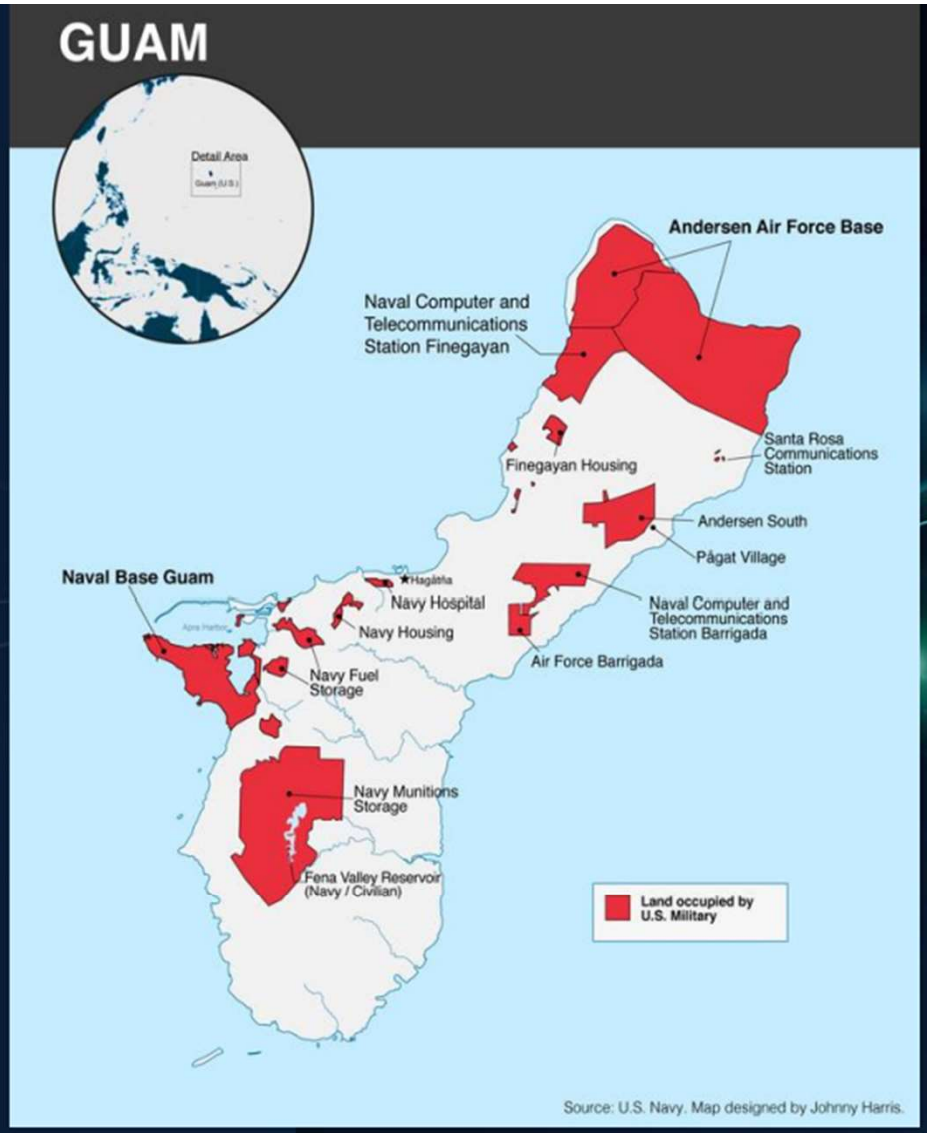
Guam Programs

- DZSP21 (Navy)
- Typhoon Mawar Recovery (Air Force)
- Pacific Air Forces (Air Force)
  Global Prepositioned Material Services



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DZSP21 Base Operations Support

Provides Base Operations Support to 9 locations in Guam:

- National Guard
- Naval Base Apra Harbor
- Naval Base Munitions Site
- Naval Hospital
- Naval Base Telecommunications Site
- Naval Base Barrigada
- Nimitz Hill
- Santa Rita Navy Complex
- Andersen Air Force Base
- Marine Corps Camp Blaz

Capabilities:
Services under this acquisition include Program Management, Port Operations, Facility planning and asset management services, Sustainment, Restoration, and Modernization (sites: Navy, Camp Blaz), Utility Management (GIS, SCADA, Meter Reading, UICAP, Lab services), Electrical (sites: Navy, Air Force), Steam, Potable Water, Wastewater and Transportation.

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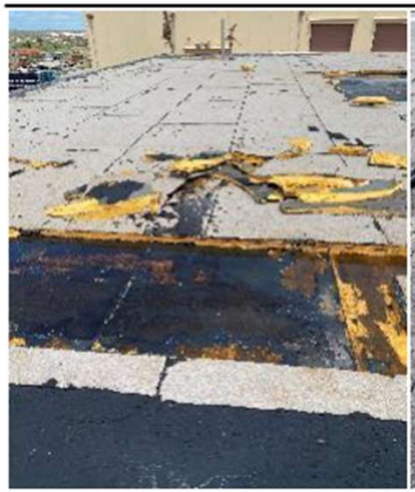
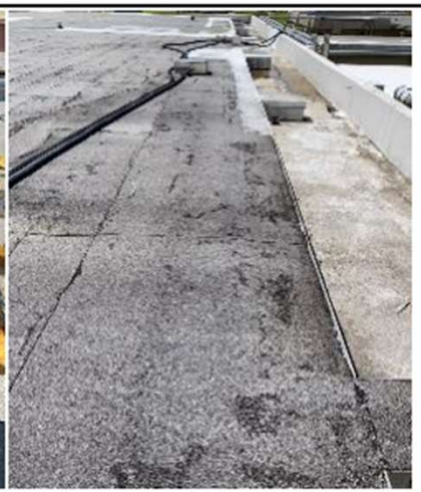
AFCAP Typhoon Mawar Recovery (TMR) Guam





Air Force Contractor Augmentation Program Urgent and Compelling Contract for Typhoon Mawar Recovery (Andersen and Kadena Air Force Bases)

1. Recovery, restoration, repair, and construction of facilities (Guam)
   - 103 facilities affected, including perimeter fencing
   - Completed 2 Facilities plus a portion of perimeter fencing
   - 48 facilities in various stages of work
   - Estimated project completion in October 2025
   - Collaboration with local vendors, strong relationships with subcontractors and solid procurement process have been key to overcoming material and sourcing Challenges

2. Advisory and Assistance (A&AS) Services (Guam and Okinawa)
   - Initially established to identify Typhoon Mawar-related damage
   - Guam scope expanded to complete facility interior assessments and associated cost estimates of 292 facilities
   - Kadena Air Force Base, Okinawa, Japan
     Established to assist with developing DD 1391 Project Programming Documents and Government Cost Estimates for the restoration, modernization and/or replacement of 6 hangars

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Pacfic Air Forces Global Prepositioned Material Services (GPMS)

The GPMS program provides storage, maintenance, outload, reconstitution, exercise and contingency logistics support of prepositioned materiel on Guam/Philippines in support of Pacific Air Forces.

Prepositioned material includes items designated as:

1. War Reserve Materiel (WRM)
2. Regional Base Cluster Prepositioning (RBCP) assets,
3. Basic Expeditionary Airfield Resources (BEAR),
4. Rapid Airfield Damage Repair (RADR) assets,
5. Fuel Handling Equipment (FHE)

- Manage 17.5K+ line items
- Maintains 936 BEAR MRSP kits on Guam
- Maintains 6 MRSP kits in the Philippines
- Maintains 20 FSE MRSP Kits on Guam
- Supports Republic of the Philippines Camp Site with parts & equipment (300+ Line Items)

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Why Amentum?

- **Large U.S. Business**
- **1000+ Federal Contracts**
- **Global Presence, Global Partners, Global Supply Chain**
- **Mature, Compliant Business Systems**
- **Bright Future**

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Thank you.

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Main Presentation

Plamin Rabino and Bryan Pablo
Marianas Information Technology Services

SAME Guam Post

Plamin Rabino is the founder of MP Solutions Group LLC with over 13 years of experience as a private cybersecurity expert for private clients and the Department of Defense. Over the years, Plamin has worked diligently to help private clients and the Department of Defense identify and understand cybersecurity risks to allow them to make better and more informed business decisions.

Plamin maintains his CISSP, CASP, and CMMC Register Practitioner certifications. He received his Master of Science in Computer Science, Concentration in Computer System Security from Colorado Technical University.

Plamin is incredibly passionate about cybersecurity training and education for everyone. He was an adjunct professor for computer science and cybersecurity courses at Central Texas College and University of Maryland.

Bryan Pablo is the assistant manager of Marianas Information Technology Services with over 13 years of experience as an information technology and cybersecurity professional in the private sectors and the Department of Defense. Bryan maintains his Security+ Certification and is a CMMC Register Practitioner. Bryan is currently working on implementing CMMC Level 1 for Pacific Rim Constructors with a goal of achieving CMMC Level 2 by the end of the year.

M.I.T.S
Marianas Information Technology Services

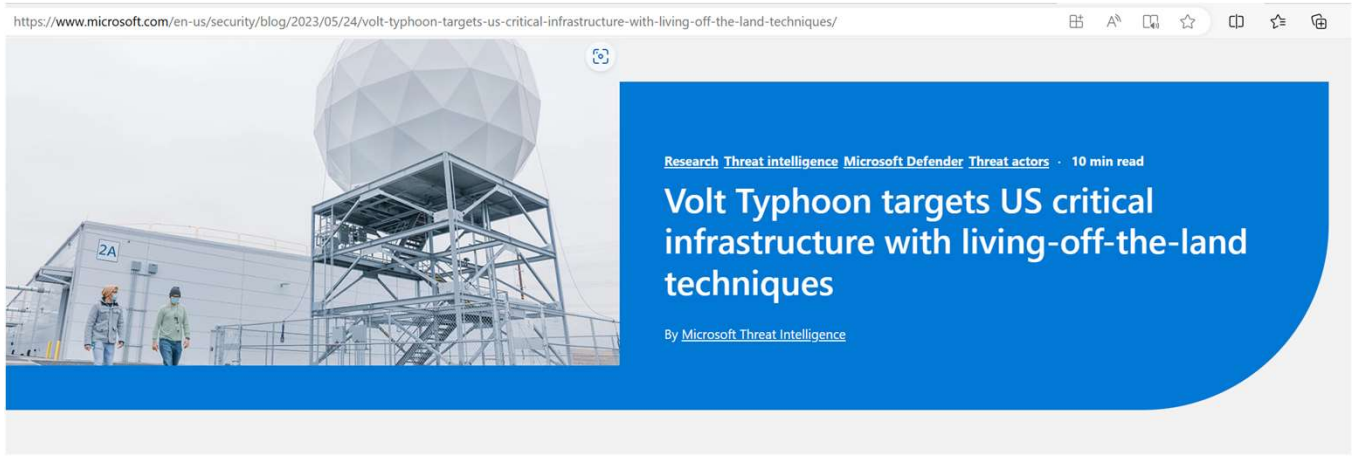
INTRODUCTION TO CMMC

Cybersecurity Maturity Model Certification

M.I.T.S
Marianas Information Technology Services

- **Locally-owned cybersecurity company.** Our goal is to be the primary CMMC- implementation and assessment service provider on island. **CMMC is all we do.**
- Team is composed of IT and cybersecurity specialists, each with an average of 10+ years of experience in information technology and digital world.
- Team is comprised of local CMMC-accredited specialists
- Accredited by CyberAB
  - **Registered Practitioner by CyberAB (CMMC Level 1)**
  - Registered Practitioner Advance by CyberAB – Pending (CMMC Level 2)

CYBERSECURITY



May 24, 2023

Microsoft Defender XDR

Living off the land

State-sponsored threat actor

more

Microsoft has uncovered stealthy and targeted malicious activity focused on post-compromise credential access and network system discovery aimed at critical infrastructure organizations in the United States. The attack is carried out by Volt Typhoon, a state-sponsored actor based in China that typically focuses on espionage and information gathering. Microsoft assesses with moderate confidence that this Volt Typhoon campaign is pursuing development of capabilities that could disrupt critical communications infrastructure between the United States and Asia region during future crises.

Volt Typhoon has been active since mid-2021 and has targeted critical infrastructure organizations in Guam and elsewhere in the United States. In this campaign, the affected organizations span the communications, manufacturing, utility, transportation, construction, maritime, government, information technology, and education sectors. Observed behavior suggests that the threat actor intends to perform espionage and maintain access without being detected

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What is CMMC

The **Cybersecurity Maturity Model Certification** (CMMC) is a major Department of Defense (DoD) program built to protect the defense industrial base (DIB) from increasingly frequent and complex cyber-attacks.

- Ensure US contractors in the defense industrial base meet specific cybersecurity standards.
- Contractual requirements. Private companies must achieve a specific CMMC level to bid on and secure defense contracts.
- **For private contractors, it protects intellectual property and sensitive information from cyber threats and enhances cyber resilience.**

Definition and Examples

CMMC Level 1

- Foundational - Demonstrate basic cyber hygiene practices. Ensuring employees change passwords regularly to protect Federal Contract Information.

Federal Contract Information (FCI)

Basic Safeguarding

- Contract Information
- Proposal Responses
- Emails exchanged with DoD or defense Contractor
- Contract Performance Reports
- Process Documentation
- Organization/Programmatic Charts

CMMC Level 2

- Advanced - Standardized management plan to implement good cyber hygiene practices to safeguard CUI. Including all the NIST 800-171 r2 security requirements and processes.

Controlled Unclassified Information (CUI)

Broad Protection of CUI

- Information Systems Vulnerability Information
- Personally Identifiable Information
- Research & Engineering Data
- Engineering Drawings
- Specifications
- Standards
- Process Sheets
- Manuals
- Technical Reports

CMMC Level 3

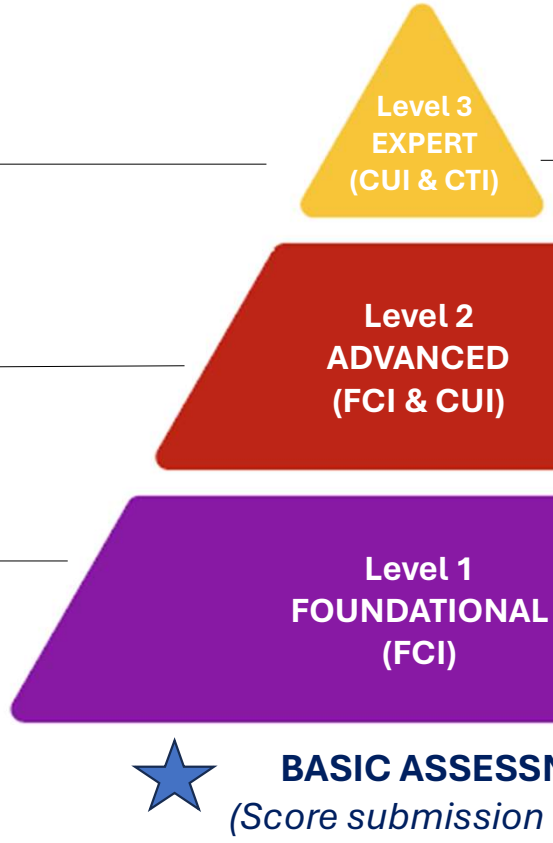
- Expert - Must have standardized and optimized processes in place.
- Additional enhanced practices that detect and respond to changing tactics, techniques, and procedures (TTPs) of advanced persistent threats (APTs).
- Capabilities include having resources to monitor, scan, and process data forensics.

Controlled Technical Information (CTI)

Reducing the Risk from Advanced Persistent Threat (APT)

- Details to be released at a later date

How CMMC Works?



Level 2 Requirements
Plus 35 controls from NIST SP 800 -171

Tri-Annual Assessment by DoD

110 Controls
Based on NIST SP 800-171 plus 61 NFO controls from NIST SP 800-171

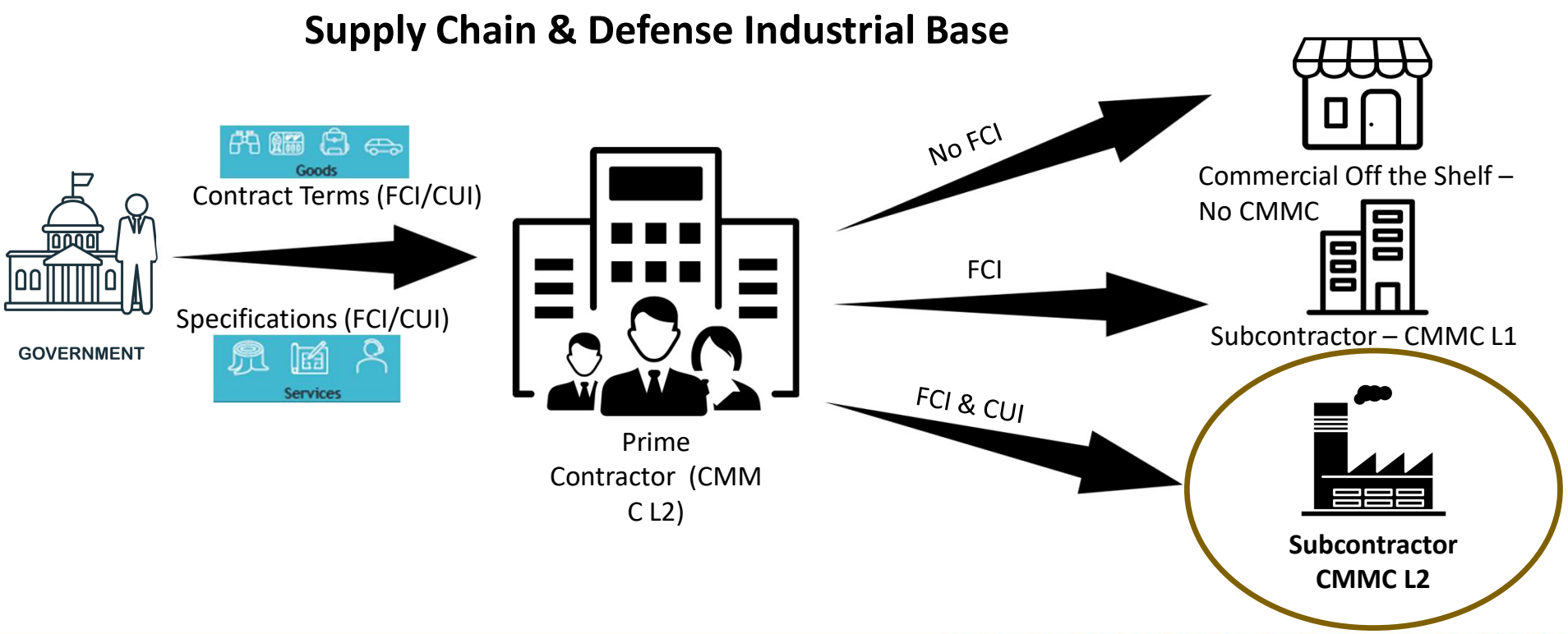
Tri-Annual Assessment by Certified Third-Party Assessor Organization (C3PAO)
Information critical to national security

17 Controls
Based on FAR 52.204-21

Annual Self-Assessment
Score submission to SPRS
Can be audited anytime
Company official liable under the False Claims Act

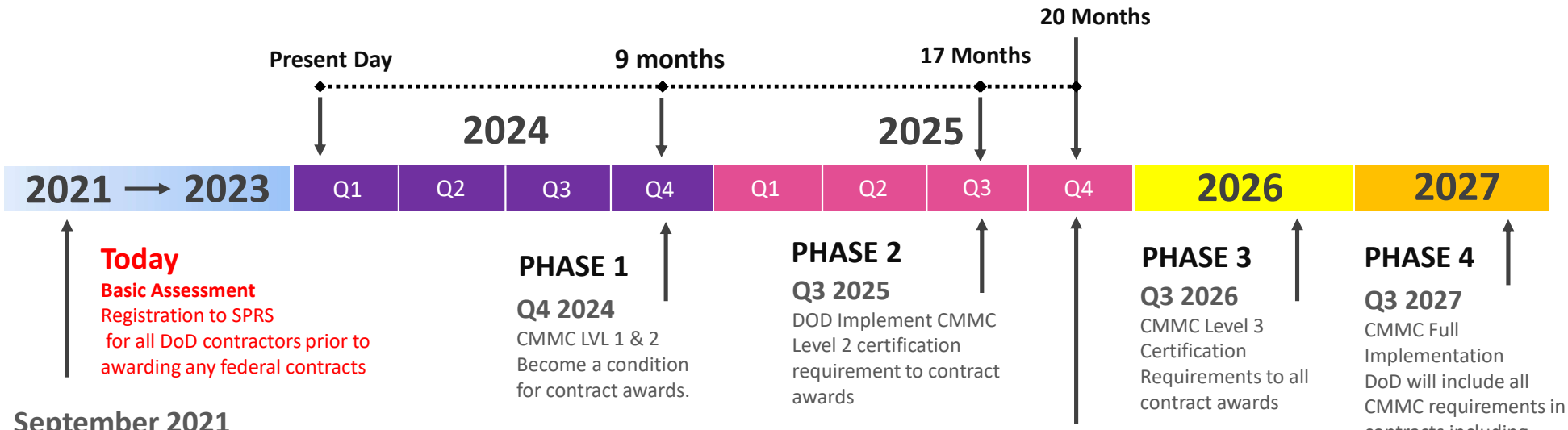
BASIC ASSESSMENT
(Score submission to SPRS)

How CMMC Works?



Implementation Timeline

How much time do we have?



CMMC Level 1 Requirements

6 Domains | 17 Security Controls

Access Control	Identification & Authentication	Media Protection	Physical Protection	System & Communications Protection	System Information Integrity
4 Practices	*2 Practices*	*1 Practice*	*4 Practices*	*2 Practices*	*4 Practices*

9 months

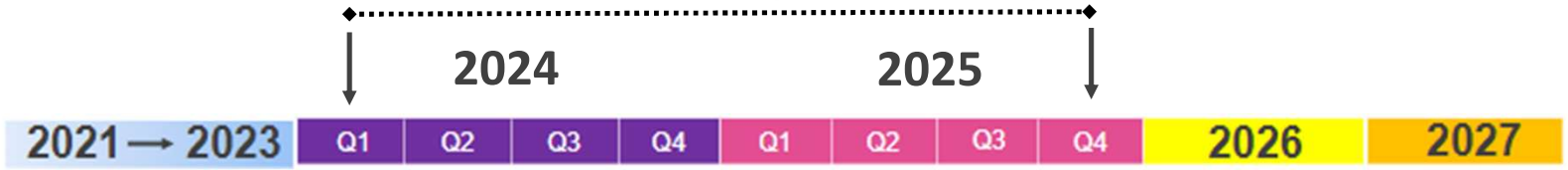
No Plan of Action and Milestone (POAM) on this level

CMMC Level 2 Requirements

14 Domains | 110 Security Controls

Access Control *+18 Practices*	**Awareness & Training** 3 Practices	**Audit & Accountability** *9 Practices*	**Configuration Management** *9 Practices*	**Identification & Authentication** *+9 Practices*	***Incident Response*** *3 Practices*	***Maintenance*** *6 Practices*
Media Protection *+8 Practice*	**Personnel Security** *2 Practices*	**Physical Protection** *+2 Practices*	**Risk Assessment** *3 Practices*	**Security Assessment** *4 Practices*	**System & Communications Protection** *+14 Practices*	**System Information Integrity** *+3 Practices*

20 Months



Why you need CMMC?

- Contractual Requirements
- Protects Sensitive Information
- Enhanced Security Practices
- Supply Chain Security
- Competitive Advantage
- Risk Mitigation
- Adaptability to Evolving Threats

Questions?

M.I.T.S
Marianas Information Technology Services

Contact Information

Plamin Rabino, Sr. Cybersecurity Lead
Bryan Pablo, Assistant IT Manager
Email: CMMC@mitspacific.com

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