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DEPUTY COMMANDANT FOR INFORMATION

DATA • INFORMATION AND KNOWLEDGE MANAGEMENT

USMC Artificial Intelligence

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USMC Artificial Intelligence

Strategic Goals

AI Skilled Workforce
Empowering Marines to leverage AI and achieve the decision advantage.

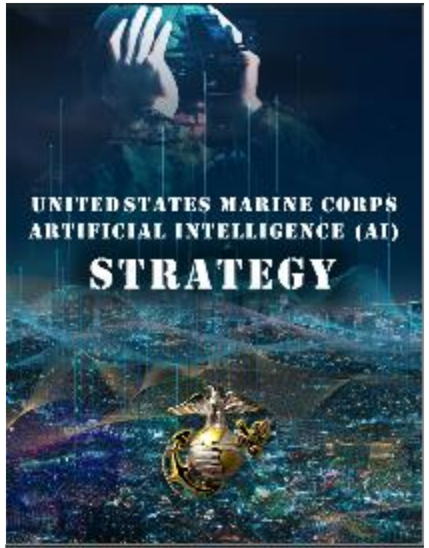
Deploy AI at Scale
Federated data, AI framework and infrastructure, and T&E standards.

AI Governance
Responsible AI oversight, polices, and guidance.

Partnerships & Collaboration
Academia, industry, Joint Forces, & Allies.

Align AI to Mission

Where and how AI meets current and future challenges.



Pending GO Staffing

Guiding Principles

- **Accelerate** the integration and utilization of AI at scale to provide historic, real-time, and reliable information for enhanced decision making and operational effectiveness, ensuring the deployment of AI in accordance with the DoD's RAI principals.
- **Empower** Marines with the knowledge, skills, and tools to rapidly implement AI. This requires developing a workforce proficient in AI and empowering them to be innovative in discovering novel solutions for existing and future challenges.
- **Grow** an AI workforce able to oversee, adopt, and integrate AI capabilities across the enterprise to the tactical edge.
- **Set conditions** to integrate and enable functional data management to ensure data is visible, accessible, understandable, linked, trustworthy, interoperable, and secure (VAULTIS)[3].
- **Build and strengthen** strategic partnerships to accelerate adoption, innovation, and enhanced interoperability with academia, industry, Joint, and Allied partners.

Implementations

- **AI Task Groups**
  - Identify & champion AI uses for Command mission accomplishment
  - Identify AI talent within the command
  - AI link from command to enterprise AI efforts
- **Use Case Process**
  - Tactical Innovation
  - Service-level Capability Development
  - DoD and Department of the Navy (DON) Directives
- **Center of Excellence**
  - Advance & accelerate AI capabilities
  - Develop AI best practices
  - Contribute to AI strategic developments
- **AI Enterprise Framework**
  - Culture of Data Centricity
  - Sandbox Environments
  - MLOps & DevSecOps
  - AI Toolbox
  - Capability Registry

PRODUCT TIMELINE

2023

Nov – Dec 2023

1 Dec 23 Begin O6 Draft Creation

2024

18 MAR 24 AO Staffing Complete

19 APR 24 O-6 Staffing Complete

31 MAY 24 GO Staffing Complete

15 JUN 24 Final Draft Complete

30 JUN 24 Signed and Published

Policy Crosswalk, alignment, and strategy outline development

AO Level Draft Development

Refinement Phase O-6 / O-7 Staffing, Final Edit, and Signature

Marine Corps Center for Lessons Learned
MCTSSA GPT

Objectives

Test & Evaluate LLM on MCCLL Data
- Confirm Assumptions
- Feed Requirements Development

Evaluate GenAI for USMC Use Cases
- Identify Risk
- Resource Requirements
- Training & Feedback

AI Summit Demo
- Showcase the Capability
- Recognize Exceptional Work
- Discussion & Innovation

MCTSSA GPT Roadmap

Capabilities Gap Identified
1. MCCLL registered a use case for potential LLM GenAI solution

Initial Planning
1. IPC to identify requirements and project scope
2. Identify data requirements
3. Build timeline

MCTSSA GPT Local Min Viable Product
1. Host LLM on VCE and conduct prompt engineer
2. MCTSSA received MCCLL Data-Subset
3. Implemented LLM system to process USMC information

GovCloud Min Viable Product
1. Containerized in Dev Environment
2. Test & Evaluation
3. Validate MCCLL Requirements

MCTSSA GPT IOC
1. Improve System Performance
2. Assess User Access

End State
MCTSSA GTP FOC
1. Scale LLM System

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USMC PHANTOM EXCHANGE PILOT

MIT AI Accelerator (AIA)

Candidate Selection

- **Officer**: Capt Marsh, Benjamin (MCTSSA)
- **Enlisted**: Sgt Godlewski, Anthony (DC I)

Value & Opportunity

Collaboration with world leading AI researchers and military, gaining invaluable experience. Participants will have access to Special Experience Identifiers (SEIs), allowing the DoD to leverage the knowledge and skills later in their careers.

Outcomes

- Recuring programs for AI skilled workforce
- Inject USMC AI projects to portfolio
- Identify ideal candidates and follow-on billets

Phase 1
AI Summit Follow-Up
☑ Establish Partnership with DAF

Phase 2
1 Mar 2024
☑ Candidate Selection & Prep

Phase 3
10 May 2024
☑ Selection Notifications

Phase 4
17 May 2024
☐ Opt in/out Period

Phase 5A
10 - 14 Jun 2024
☐ Cohort Kick-Off

Phase 5B
19 – 23 Aug 2024
☐ Midway Touch Point

*Recommending DC visit at MIT to congratulate Marines and conduct a discussion & tour.

Phase 5C
28 Oct – 1 Nov 2024
☐ Final Project Presentation

Phase 6
10 Nov 2024
☐ AAR & Follow-On Actions

"The Phantom Program offers a comprehensive fellowship opportunity that enables individuals to gain valuable knowledge from leading experts in the field of artificial intelligence."

USMC AI Center of Excellence (Pre-Decisional)

Vision

Conduct a study on a USMC AI Center of Excellence in coordination with the NPS AI Naval Innovation Exchange (NIX) for advancing artificial intelligence capabilities within the Marine Corps, ensuring that the force remains technologically superior and operationally efficient in the face of evolving global threats.

Objectives

AI to Operational Forces: Ensure timely delivery of advanced AI capabilities to enhance the effectiveness and efficiency of forces in operational theaters.

AI-Skilled Workforce: Foster education and training programs to build a deeply knowledgeable AI workforce adept at leveraging AI technologies.

Strategic Partnerships: Engage with academia, industry, and international partners to harness cutting-edge AI research and technologies.

AI Infrastructure: Backbone to support research, development, production pathways, and operational deployment.