UNITED STATES SPACE FORCE

DATA & ARTIFICIAL INTELLIGENCE FY 2025 STRATEGIC ACTION PLAN

USSF

NEVER A DAY
WITHOUT
SPACE DATA

INTRODUCTION

The Secretary of Defense (SECDEF) has made clear that the United States will achieve peace through strength by restoring the warrior ethos, rebuilding the military, and reestablishing deterrence. The SECDEF emphasized the critical role of innovation, high standards, and accountability in ensuring the United States remains the world's most dominant military force, with a focus on lethality, meritocracy, and readiness.

As the world's first digital service, the United States Space Force (USSF) recognizes the critical role that data and artificial intelligence (AI) will play in maintaining space superiority. The USSF recognized the need for digital fluency within the Guardian workforce, and based on the latest national guidance, the Space Force needs to emphasize AI literacy to employ these tools to solve operational challenges. China's rapid expansion in space—utilizing AI for surveillance, offensive capabilities, and space-based operations—alongside Russia's advancements in counter-space technologies and electronic warfare pose significant threats to global security. In this contested and congested domain, superiority will be defined by our ability to integrate with interagency, allies, and commercial partners to advance data capabilities, real-time analytics, and emerging AI technologies to outpace adversaries and maintain operational superiority.

Recognizing that unity and shared purpose are the greatest strengths of the Department of Defense (DoD), the USSF has developed the **United States Space Force Data and AI FY2025 Strategic Action Plan** to address these challenges as a space enterprise. This plan provides clear direction for the USSF to address the urgency of this moment collectively. Building on the foundational efforts of the inaugural Fiscal Year (FY) 2024 plan, it outlines a clear, actionable path toward becoming a more data-driven and AI-enabled force capable of achieving the DoD's mission to deter war and, when necessary, decisively defeat our adversaries. The plan aligns with the National and Defense priorities, centering on four key Lines of Effort (LOEs) that will enable the USSF to continue securing our Nation's interests in, from, and to space.

LOE 1: MATURE ENTERPRISE-WIDE DATA AND AI GOVERNANCE
LOE 2: ADVANCE A DATA-DRIVEN AND AI-ENABLED CULTURE
LOE 3: RAPIDLY ADOPT DATA, ADVANCED ANALYTICS, AND AI TECHNOLOGIES
LOE 4: STRENGTHEN GOVERNMENT, ACADEMIC, INDUSTRY, AND INTERNATIONAL PARTNERSHIPS

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LINE OF EFFORT #1
MATURE ENTERPRISE-WIDE DATA AND AI GOVERNANCE

OBJECTIVES

Objective 1: Establish and sustain a governance program to evolve structures, policies, and procedures.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
1.1.1 Develop data and AI governance material to support the enterprise-wide data and AI strategy.	Publish USSF data & AI board governance charter.	FY25 Q1	SF/S6
1.1.2 Appoint data and AI officers to oversee and manage data and AI initiatives at the Field Command (FLDCOM) level.	Completion.	FY25 Q2	SF/S6
1.1.3 Establishment of the USSF Data and AI Board working groups, a membership roster, and a work plan detailing key goals and deliverables.	Establish three USSF working groups to leverage expertise and innovation throughout USSF: (1) Data and AI stewardship, (2) AI Innovation and Adoption, and (3) Operational Test Training and Infrastructure (OTTI) Data and Integration Standards.	FY25 Q2	Required for all organizations
1.1.4 Establish FLDCOM-level data and AI governance bodies.	Develop a governance body charter at FLDCOM level, along with quarterly governance meeting reports. Data governance bodies document priority goals for calendar years FY25 and FY26.	FY25 Q4	FLDCOMs

Objective 2: Develop policies, standards, and guidance.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
1.2.1 Formalize roles and responsibilities for managing data and AI at each stage of the lifecycle, ensuring accountability and alignment across USSF in concert with SF/S1 based on the DoD Cyber Workforce Framework.	Publish roles and responsibilities memo and guidebook	FY25 Q3	SF/S6
1.2.2 Host a USSF data & AI governance offsite to facilitate collaboration, education, and alignment of strategic priorities across the USSF.	Completion.	FY25 Q3	SF/S6
1.2.3 Develop the USSF Data and AI FY 2026 Strategic Action Plan.	Completion.	FY25 Q4	Required for all organizations
1.2.4 Establish policy and guidance for USSF digital infrastructure, and data storage in support of enabling service wide information technology integration with commercial space solutions.	Completion.	FY25 Q4	SF/S6 & SF/S2
1.2.5 Develop standards to allow for programs/partners to bring data/models into the USSF OTTI environment.	Completion.	FY25 Q4	SF/S6 & Space Training and Readiness Command (STARCOM)

Objective 3: Ensure investments are based on strategic priorities.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
1.3.1 Assess the USSF Data and AI maturity to evaluate current capabilities, identify gaps, and establish a roadmap for improvement.	Completion of USSF Data and AI maturity assessment.	FY25 Q4	Required for all organizations
1.3.2 Register and track all AI use cases and capabilities within CLARA (clara.ai.af.mil) and appropriate resourcing tools.	Completion.	FY25 Q4	Required for all organizations

LINE OF EFFORT #2
ADVANCE A DATA-DRIVEN AND AI-ENABLED CULTURE

OBJECTIVES

Objective 1: Increase awareness of data, analytics, and AI capabilities.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
2.1.1 Host the FY25 USSF Space Data and AI Capabilities Day to promote awareness, collaboration, and innovation within the USSF community, by demonstrating operational data and AI solutions.	Completion.	FY25 Q3	SF/S6
2.1.2 Launch data and AI professional explainer video series on key data and AI topics relevant to USSF's mission.	Completion.	FY25 Q4	SF/S6 & STARCOM

Objective 2: Increase data and AI literacy through multi-level investments.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
2.2.1 Convene experts from government, industry, and academia to share insights on data & AI technologies; fostering innovation and advancing mission success across the force.	Host "Wisdom" the USSF Data and AI speaker series.	FY25 Q4	SF/S6 & Space Systems Command (SSC)
2.2.2 Integrate data and AI literacy modules into existing Professional Military Education (PME) courses for guardians at all levels in coordination with SF/S1.	Integration of data and AI literacy into at least 2 USSF PME courses.	FY25 Q4	STARCOM
2.2.3 Facilitate exchange and discussion of ideas, including concepts, tactics, techniques, and procedures, as well as historical perspectives, challenges, and solutions, to promote professional development across the USSF.	Publish "Momentum" the USSF data, analytics, and AI periodical bi-annually.	FY25 Q4	SF/S6
2.2.4 Develop plan to identify AI expertise and expand AI literacy throughout the USSF.	Develop an AI-skills workforce development playbook.	FY25 Q4	SF/S6 & SF/S1

Objective 3: Promote creativity, collaboration, and innovative thinking through competition.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
2.3.1 Conduct AI boot camps in partnership with the National Security Innovation Network (NSIN).	Completion.	FY25 Q4	SF/S6 & STARCOM
2.3.2 Host a USSF Data and AI Innovation Challenge to foster a culture of innovation and encouraging Guardians to harness AI to solve complex USSF problems.	Completion.	FY25 Q4	SF/S6 & STARCOM

LINE OF EFFORT #3
RAPIDLY ADOPT DATA, ADVANCED ANALYTICS, AND AI TECHNOLOGIES

OBJECTIVES

Objective 1: Identify requirements necessary for end-to-end data management for the collection and acquisition of all data, to enable and reduce the time of secure data flow from collection to actionable insight.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
3.1.1 Register Unified Data Library (UDL) with Office of the Secretary of Defense as a Software Acquisition Pathway (SWP) program, collect and report required SWP metrics and support an execution phase entry cost estimate prepared in accordance with the service cost agency's policies and procedures.	Completion.	FY25 Q1	SSC
3.1.2 Develop Capability Needs Statement (CNS) to define USSF requirements of the UDL.	Signed USSF data layer integration CNS.	FY25 Q2	SF/S6 & SSC

Objective 2: Innovate through research and development

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
3.2.1 Broaden USSF's understanding of AI and space technologies by engaging subject matter experts through the Commercial Space Office and Space Domain Awareness (SDA) Tap Lab.	Completion.	FY25 Q4	SSC
3.2.2 Identify standardized benchmark to evaluate the performance of Large Language Models in the context of space operations, focusing on mission-critical tasks and unique challenges in the space domain.	Completion.	FY25 Q4	SSC

Objective 3: Deliver solutions with clear, quantifiable mission value and mission impact.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
3.3.1 Transition the UDL prototype to an established program of record through the software acquisition planning phase.	Senior Acquisition Executive signed Acquisition Decision Memorandum.	FY25 Q1	SAF/SQ
3.3.2 Identify, integrate, and expose data from critical SDA sensors to UDL for National Space Intelligence Center analysis.	Completion.	FY25 Q4	SSC & SF/S2
3.3.3 Identify commercial datasets that can enhance SDA by integrating, correlating, and synergizing with existing USSF data.	Completion.	FY25 Q4	SSC, SF/S2, SF/S6
3.3.4 Increase data sharing across the USSF enterprise-spanning tactical, operational, and strategic levels-and with Combatant Commands, commercial entities, and partner nations.	Integrate UDL into Space Operations Squadrons (SOPS) orbital analysis suite and other high value assets.	FY25 Q4	Space Operations Command (SpOC)
3.3.5 Support the S1 initiative to develop and deliver a guardian centric Human Resource data capability to integrate Personnel Management Act authorities.	Detailed deliverables for this activity will be captured in a subsequent plan.	FY25 Q4	SF/S6

LINE OF EFFORT #4
STRENGTHEN GOVERNMENT, ACADEMIC, INDUSTRY, AND INTERNATIONAL PARTNERSHIPS

OBJECTIVES

Objective 1: Establish strategic alliances with the most data and AI capable organizations.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
4.1.1 Engage government, industry, and academic partners to effectively articulate the USSF data and AI strategy, aligning stakeholder efforts with USSF operational priorities.	# of partners engaged.	FY25 Q4	SF/S6

Objective 2: Develop joint initiatives and projects with key partners to address common data, analytics, and AI challenges and opportunities.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
4.2.1 Host FY25 Space AI Symposium in partnership with the National Reconnaissance Office to bring together experts from the USSF, industry, academia, and allied nations to discuss advancements, ethical considerations, and operational applications of AI in space operations.	Completion.	FY25 Q2	SF/S6 & SSC
4.2.2 Continue research into emerging topics, including: (1) compute capacity, (2) power grid resilience, (3) space domain awareness, and (4) AI-driven anomaly detection.	Completion.	FY25 Q4	Space Force Science, Technology and Research
4.2.3 Continue collaboration with the appropriate organizations to assist with the implementation of "National Space Traffic Management Policy" Space Policy Directive (SPD-3).	Completion.	FY25 Q4	SF/S6

Objective 3: Identify opportunities to integrate partner data and AI capabilities into the USSF data ecosystem.

ACTIVITY	DELIVERABLE	DUE DATE	RESPONSIBLE PARTY
4.3.1 Establish UDL Application Programming Interface gateway.	Completion.	FY25 Q4	SSC
4.3.2 Enhance data sharing and interoperability across the DoD, Intelligence Community, and allied partners.	Completion of Interagency Service Agreement.	FY25 Q4	SF/S6, SF/S2 & SSC

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