Headquarters U.S. Air Force

Integrity - Service - Excellence

AF Digital Campaign JTEG Brief





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The Vision

-ACCELERATE



"The current acquisition process is not built to maintain our advantage in tomorrow's fight"

"We are seeing competitors outpace our current fielding timelines"

"Good enough today will fail tomorrow"

LOSE

CHANGE

"Victory smiles upon those who anticipate the change in the character of war, not upon those who wait to adapt themselves after the changes occur." — Giulio Douhet

AUGUST 2020



Competing in Time: Ensuring Capability Advantage and Mission Success through Adaptable Resource Allocation

Hudson Institute, 25 Feb 22 William Greenwalt Visiting Fellow, American Enterprise Institute

Dan Patt Adjunct Fellow, Center for Defense Concepts and Technology, Hudson Institute

"it takes the US on average sixteen years to deliver an idea to operational capability, versus fewer than seven for China"

"The PPBE's inflexibility increases the difficulty of rapidly shifting funding to emergent innovations"

"Emerging technologies, especially information technologies, are central to future conflict... defense acquisition process and legacy defense industrial base approach struggle to accommodate timely adoption of these technologies"



"Competitive advantage in decision-centric operations (whether budgeting or on the battlefield) comes from the scale of available options, tempo of decision-making, and superior decision processes"

DAF Digital Transformation Office

SAF/AQ: Deliver enduring world class capabilities to assure air, space and cyberspace dominance for the nation and our allies **AFMC:** One AFMC--Collaborative, innovative, trusted and empowered...indispensable to our Nation, disruptive to our adversaries.

DTO: A digitally-empowered Air Force equipped with an agile workforce, state-of-the-art technologies, and intuitive processes that drive model-based enterprise decision-making, enable automation, institutionalize open architectures, and leverage authoritative models and data to ensure seamless stakeholder collaboration across the acquisition lifecycle.





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LogIT: What is it?

- Log IT is comprised of 150 systems aligned under the Logistics Domain Data Officer (AFMC/A4N) for portfolio management
 - Supports five business areas
 - Maintenance
 - Supply
 - Product
 Support
 - Deployment and Distribution
 - Shared
 Services

CROSS-CUTTING		TTING	LINES OF EFFORT	GOALS	MISSION OUTCOMES
folio Management/ Funding	Cybersecurity	Agile Framework	Be Consolidation &	Eliminate duplicative systems, reduce IT footprint, streamline processes Re-engineer logistics operations	Streamlined operations Reduced dual data entry Reduced vulnerabilities
			Remediation	Re-tune the A4 IT Portfolio, driving down sustainment costs, reducing cyber vulnerabilities and improving A4's financial auditability posture	Improved responsiveness, reliability, scalability Greater info protections
			() Modernization	• Deliver incremental new capabilities, ranging from training to kinetic operations	Improved business processes and data Enabling decision advantage
Port			Legacy	Maintain operations at the current capability and performance level of the system	Maintain current mission
				CHANGE MANAGEMENT / CULTURE	

- Log IT is undergoing extensive transformation
 - Evolving 10-year plan to modernize the entire Log Enterprise IT

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Rapid Sustainment Office (RSO)



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LITE |Lighthouse Integration Technology Engine

Technology & Data integration through a robust, secure platform enables a new maintenance paradigm



MVP 1. Prove integration, demo user potential -Connect technologies through Apigee API mgmt. suite, demonstrate transfer of live data between systems

Legacy MIS

RSO Technolog

RSO Tech

RSO Tech

-Single Sign-on Capability (Google Identity/Authenticator (crawl) and CAC (run))

-Develop "Landing Page" UI for 3 primary user groups, utilizing links to technology sites where they're using inherent UI

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Objective. Expand tech impact, refine usability

-Build on baseline capability, create a "Global UI" approach to provide a consistent experience across technologies

-Transition to a sustainable operational capability

-Expand number of personas in the sustainment/supply value chain. Ex. Tool crib, schedulers, LRS, Wing Leadership

Mx Value Chain Capability Objectives

Fill and submit 781 forms at point of mx
Enhanced decision making (near real-time task tracking), reduced waiting
Accomplish aircraft inspections (pre/post-flight) using digital viewer
Streamline tool checkout/in procedures, better FOD control
Enhance touch mx time/accuracy with AR procedures/assistance
Allow for remote expert connect via Augmented Reality
Communicate job and A/C status seamlessly to production
Establish integrated management of aircraft and personnel scheduling
Enhance mx scheduling with integrated CBM+ data
Optimize parts stock using Al/ML supply forecasting



Initial UI/X Concept.

Hybrid approach to create custom data/action views, leverage tech UI for task accomplishment

*Endpoint hardware options under investigation



Digital Twin Efforts: B-1 and F-16



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QUESTIONS?

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