



Next Generation ISR Dominance Flight Plan

Summary



Lt Gen Dash Jamieson

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Aligned with the National Defense Strategy (NDS), the Flight Plan reorients the ISR Enterprise by aligning ends, ways, and an initial assessment of means to shift from a manpower-intensive permissive environment to a human-machine teaming approach in a peer threat environment.

Our aim is a ready Next Generation ISR Enterprise possessing decisive advantage for key potential warfighters while remaining competent across the entire spectrum of conflict. To meet the challenges of a highly contested environment, the future ISR portfolio will consist of multi-domain, multi-intelligence, government/commercial-partnered collaborative sensing grid that utilizes advanced technology; it will be resilient, persistent, and penetrating to support kinetic and non-kinetic capabilities. We will repurpose, retool, automate, and stabilize the workforce and will use the Air Force corporate process to ensure the ISR Enterprise has the equipment and personnel to achieve this vision by 2028. To that end, our target is to increase both the quality and quantity of ISR production with fewer Airmen conducting this mission by 2028 while remaining competent across the Range of Military Operations. The very innovation and technologies our Airmen have created in the field will allow our entire Enterprise to advance and posture for operations in the Digital Age.

Data Points:

- Two major efforts will drive the Enterprise's transition:
 - An integrated and balanced ISR portfolio (cost benefit)
 - Lines of effort to drive change and guide implementation (future pathways)
- There are three primary avenues containing ten lines of effort, which are binned by Disruptive Technologies/Opportunities, Bolster Lethality & Readiness, and Foundational Capabilities
- To accomplish the Flight Plan aims, we must have the architecture and infrastructure to enable machine intelligence, including automation, human-machine teaming, and ultimately, artificial intelligence; these initiatives will define how the ISR Enterprise executes operations
- ISR Airmen, and those with whom they partner, are critical to this Plan's success; they will blaze a bold path leaving a predominantly linear, industrial-age, single-domain approach behind for a sensing, identifying, attributing, and sharing (SIAS)-based, multi-domain, multi-intelligence, prototyping, rapidly-experimenting culture
- We will mature and participate in an Air Force net assessment process, driven by collaboration between blue and red team perspectives, to address competitive advantage strengths and weaknesses; the process will ultimately inform Air Force planning choices as well as other warfighting decisions
- Our future pathways will consist of disruptive technologies and opportunities as well as a focus to bolster readiness and lethality; in parallel, we will strengthen our foundational capabilities and competencies



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- In particular, we will pursue pathways for machine intelligence, which includes implementing a new data strategy and developing agile capability development approaches for rapid prototyping and fielding
- The use of Publicly Available Information (PAI) will flip the legacy paradigm of relying solely on ISR collected via exquisite platforms/sensors on its head
 - The Enterprise will be able to more deliberately employ exquisite ISR capabilities because of its use of PAI as a foundational source of information for I&W, tipping and cueing, all of which will be integrated into Joint Intelligence Preparation of the Operational Environment analyses
- Concurrently, we will more effectively leverage, and contribute to, the air, space, and cyber domains through new manned/unmanned, stand-off/stand-in persistent DoD and commercial solutions; this approach matures our ISR for and from both space and cyber operations
- Pursuing the Flight Plan lines of effort will provide a next generation ISR Enterprise that provides decision advantage to warfighters across the conflict spectrum