

Headquarters U.S. Air Force

Integrity - Service - Excellence

The Roles and Limits of Airpower- US Air Force



**CSAF Strategic Studies Group &
Strategy Division
JASDF Air Staff College Seminar**

U.S. AIR FORCE



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Overview

- **CSAF Three Rocks**
- **Joint Operations**
- **Multi-Domain Command and Control**



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CSAF Three Rocks

- **New Chief of Staff of Air Force – General Goldfein**
- **Three Focus Areas**
 - **Revitalize the Squadron**
 - **Focus on Joint Task Force**
 - **Multi-Domain Command and Control**



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Joint Task Force (JTF) Focus

- **Complex battlespace requires many forces (Air Force, Army, Navy, Marines, Coalition) working together**
- **Joint Task Force is the organization that brings capabilities together**
- **Air Force is expert in Air, Space, and Cyberspace**
 - **Air Operation Center (AOC) or Combined Air Operation Center (CAOC)**
 - **Joint Force Air Component Commander (JFACC) or Combined Force Air Component Commander (CFACC)**
- **Maintain expertise in Air, Space, and Cyberspace but focus on JTF**



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Multi-Domain Command and Control (MDC2)

- **MDC2 tied to JTF focus**
- **Domains**
 - **Land, Sea, Air, Space, Cyberspace, Undersea**
- **Command and Control is a USAF Core Function**
- **Re-evaluate Command and Control?**
 - **Observe**
 - **Orient**
 - **Decide**
- **Centralized Control, Decentralized Execution?**



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Third Offset and the Air Force

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6 OCT 16

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Purpose

- **This brief will give an overview of DoD's Third Offset Strategy and how the Third Offset relates to the Air Force.**



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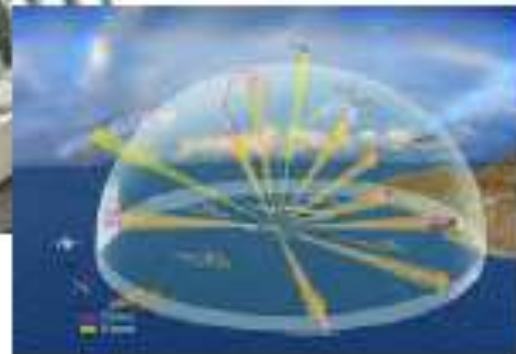
Overview

- **What an Offset Strategy?**
- **Offsetting from What?**
- **Why the Third Offset?**
- **What does this mean for the Air Force?**



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What is the Third Offset?





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Strategic Environment



Great Power Competition



Contest Global Order



Technology Proliferation



Threats to Operations

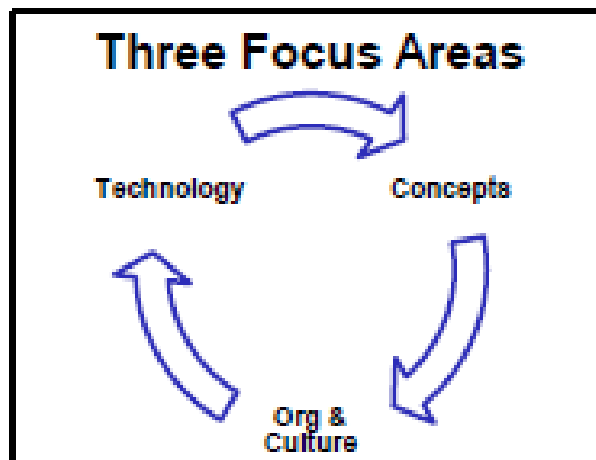
Bottom line: Environment is changing.



What is an Offset Strategy?

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- Deputy Secretary of Defense's Vision: A framework to bolster deterrence against Great Power competitors through innovative Technological, Operational, and Organizational changes to achieve decisive advantages at the Operational level of war
- Key themes:
 1. Refocus on Great Power competition
 2. Innovations in Technology, Concepts, and Organization & Culture
 3. Innovative Thinking is our Competitive Advantage



“Offset strategies are about technologically enabled operational and organizational constructs that provide the joint force with an advantage ... strengthening conventional deterrence.”
-- Secretary Work



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Why the Third Offset?

- **First Offset – 1950s**
 - Need to offset Soviet Conventional Superiority
 - Eisenhower's New Look
 - Strategic Nuclear Weapons as a deterrent
- **Second Offset – 1970s**
 - Need to offset erosion of US Nuclear Advantage
 - Reconnaissance-Strike complex
 - Precision Guided Munitions
 - Joint Doctrine
- **Third Offset – Future**
 - Need to offset erosion of Technological Advantage
 - Technology, Concepts, and Organizational change





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What does this mean for the Air Force?



Unchallenged
Power Projection



Forward Bases as
Sanctuaries



Low or No
Combat Attrition



"Space Superiority"



Assured, Resilient C3



Enduring Technological
Advantage

We have come to appreciate these vulnerabilities, but lag in implementing strategies to overcome them.



Technological Building Blocks

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- The Air Force Strategic Master Plan directs Airmen to continue the pursuit of game-changing technologies.
- Air Force Research Laboratory and Air Force Rapid Capabilities Office
- Partnering with industry



Five Tech Building Blocks

- Learning Systems
- Human-machine collaboration
- Assisted Human Ops
- Manned-unmanned Ops
- Network-enabled, Hardened, Autonomous Weapons



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Concepts

- **Integrated Multi-Domain Operations**
 - **Superior Decision Speed**
 - **Dynamic Command and Control**
- **Adaptive Basing**
- **JAM-GC – Joint Concept for Access and Maneuver in the Global Commons**



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Organization

- **Strategic and Operational Agility**
 - **Multi-Domain Operations Center**
 - **JICSpOC – Joint Interagency Combined Space Operations Center**

- **Organizational and Cultural Inclusiveness**
 - **Multi-domain approach**
 - **Partnerships with Industry**
 - **Partnerships with Allies**



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Takeaways

- **Understand that the Third Offset is growing and evolving...it is not set**
- **There will be Technology and Concept developments that will drive Organizational and Procedural changes**
- **How can Japan contribute to Third Offset Efforts?**

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Questions?



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