

*Curtis E. LeMay Center
for
Doctrine Development and Education*





Mission



Develop America's Airmen Today...for Tomorrow



The LeMay Center develops warfighters for the Joint and Combined team through Doctrine, Education, and Wargaming

Key tasks include:

- ★ **Doctrine (service, joint, and multi-national)**
- ★ **Warfighting Education (residence & on-line: NCO to Flag Officer)**
- ★ **Wargaming (joint/multi-national/total force educational and Title 10)**



AT THE VERY HEART OF WARFARE LIES DOCTRINE



Up Next



Develop America's Airmen Today...for Tomorrow

- ★ **Doctrine**
- ★ **Education**
- ★ **Wargaming**
- ★ **Joint Outreach and Liaison**
- ★ **Web Presence**



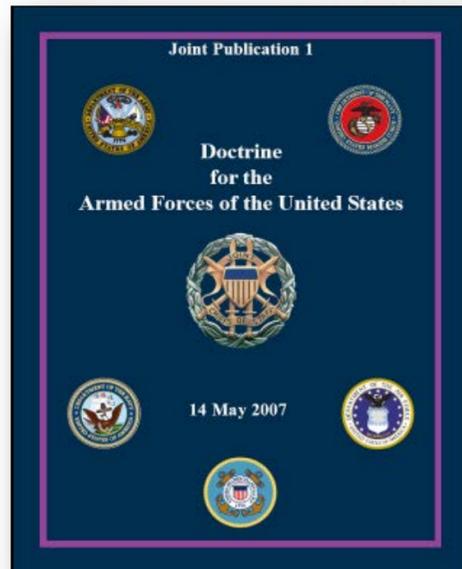
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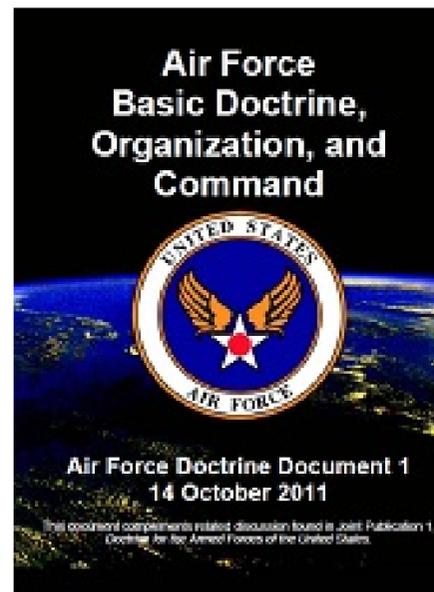
LeMay Center Doctrine Impact



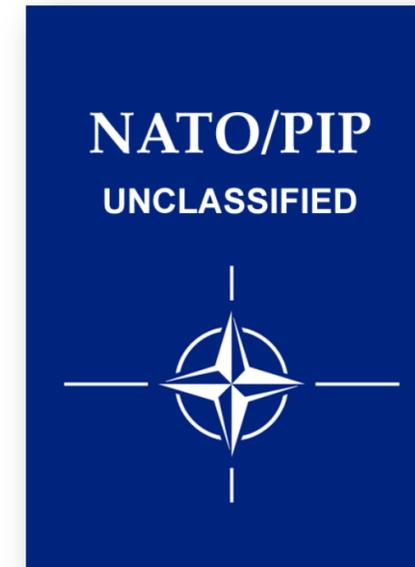
Develop America's Airmen Today...for Tomorrow



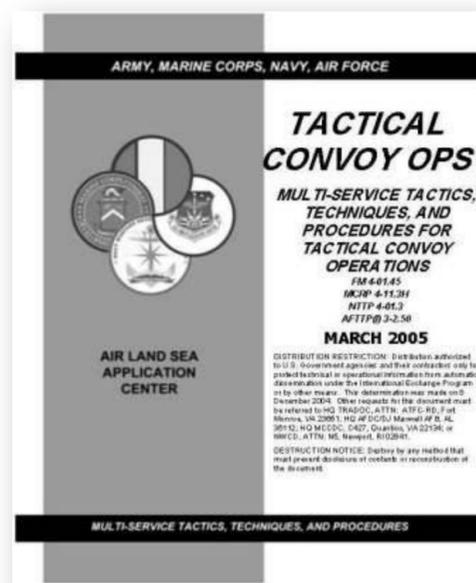
Joint Doctrine
82 publications



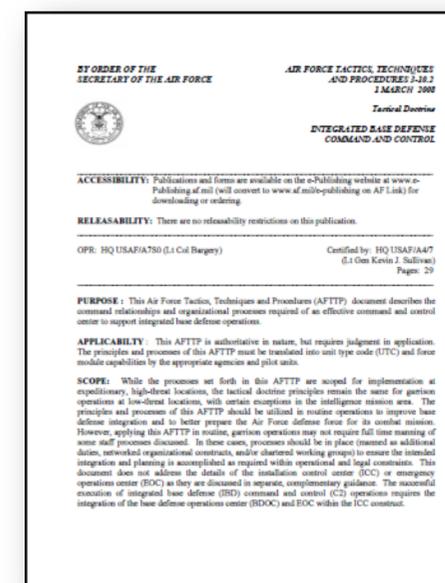
Air Force Doctrine
30 publications



Multinational Doctrine
2000 publications



Multi-Service TTPs
34 publications



Air Force TTPs (Training)
101 publications



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Current Air Force Doctrine Library



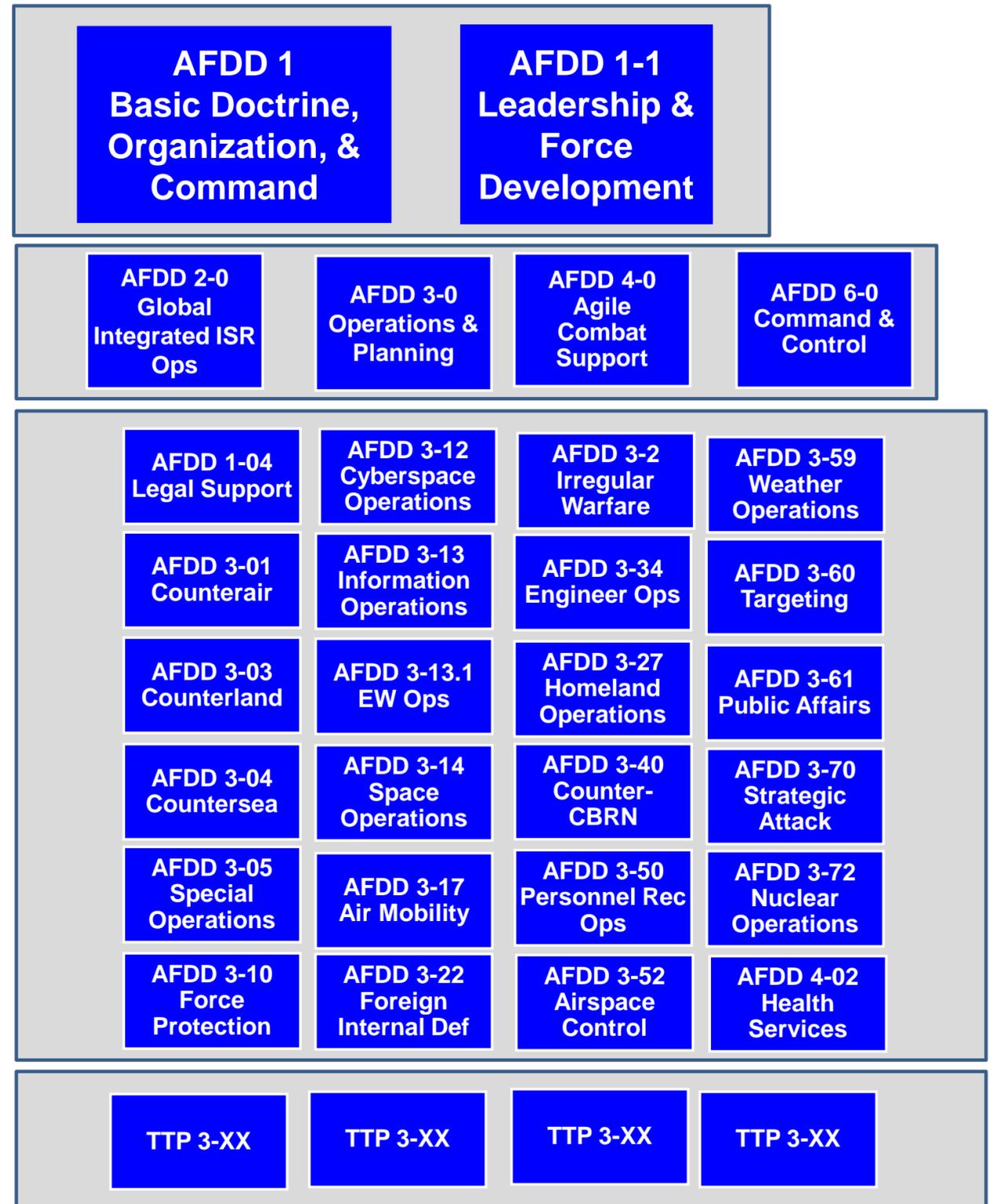
Develop America's Airmen Today...for Tomorrow

Capstone Doctrine (2)

Keystone Doctrine (4)

Sub Publications (24)

Tactics, Techniques, and Procedures (101 pubs)



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AF Doctrine Summit



Develop America's Airmen Today...for Tomorrow

- ★ ***CSAF led senior leader forum***
- ★ ***Annually held in conjunction with CORONA Fall at USAFA***
- ★ ***LeMay Center/CC was the primary briefer***
- ★ ***Topics generated by the LeMay Center***
- ★ ***Generally decision briefs***
- ★ ***2012 Doctrine Summit approved “Doctrine Next”***
 - ***overhaul of doctrine development process and doctrine presentation***
 - ***implementation by October 2013***





Doctrine Next Construct



Develop America's Airmen Today...for Tomorrow

- ★ ***5 core volumes instead of 30 stand alone AFDDs***
 - *Organized by themes and topics*
 - *Eliminates redundancy; word count reduced 25-30%*
- ★ ***28 annexes written to underpin 5 basic volumes***
 - *Annexes written to support an overarching narrative*
- ★ ***Interactive database***
 - *Customizable search by topic*
 - *Improved accessibility and readability*
 - *Single issue, topic-based, library-wide updates*
 - *Targeted writing, coordination, and approval*
 - *Reduced staffing and workloads*

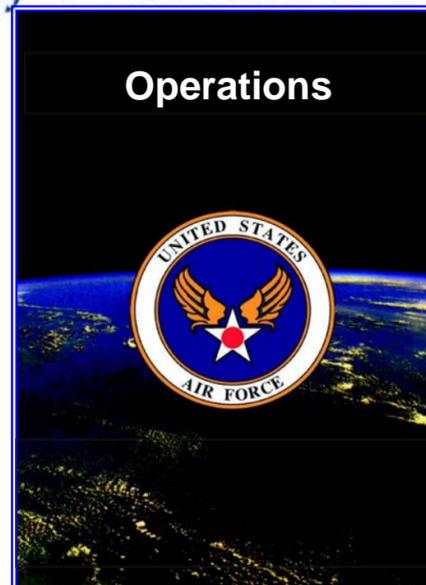
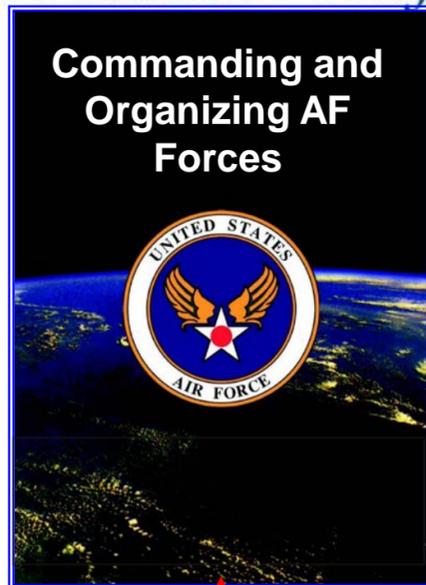
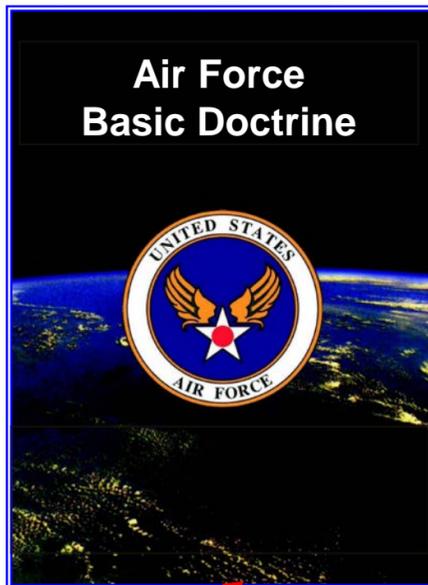




Doctrine Next Construct



Develop America's Airmen Today...for Tomorrow



Interactive Database between Five volumes and Doctrine Annexes

- Annex 1-04 Legal
- Annex 2-0 GIISR
- Annex 3-0 Ops and Planning
- Annex 3-01 Counterair
- Annex 3-03 Counterland
- Annex 3-04 Countersea
- Annex 3-05 Special Ops
- Annex 3-2 IW
- Annex 3-10 FP
- Annex 3-12 Cyber
- Annex 3-13 IO
- Annex 3-13.1 EW
- Annex 3-14 Space
- Annex 3-17 Mobility
- Annex 3-22 FID
- Annex 3-27 Homeland Ops
- Annex 3-30 C2 for Air Ops
- Annex 3-34 Engineer Ops
- Annex 3-40 C-CBRN
- Annex 3-50 Personnel Recovery
- Annex 3-52 Airspace
- Annex 3-59 Weather
- Annex 3-60 Targeting
- Annex 3-61 PA
- Annex 3-70 Strategic Attack
- Annex 3-72 Nuclear Ops
- Annex 4-0 Combat Support
- Annex 4-02 Med Ops





Doctrine Next Benefits



Develop America's Airmen Today...for Tomorrow

- ★ ***Doctrine Next provides a unifying airpower construct***
- ★ ***Improved effectiveness and efficiencies***
 - ***Proactive; keeps pace with terms and concepts***
 - ***Leverages existing IT products / processes***
 - ***Currency measured in hours / days, not years***
 - ***Clear, focused, more readable Service doctrine***
- ★ ***Facilitates lead-turning joint doctrine development***





Up Next



Develop America's Airmen Today...for Tomorrow

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- ★ **Wargaming**
- ★ **Joint Outreach and Liaison**
- ★ **Web Presence**



AT THE VERY HEART OF WARFARE LIES DOCTRINE



Senior Leader Joint Education



Develop America's Airmen Today...for Tomorrow

Joint Flag Officer Warfighting Course (JFOWC)

- Leading / planning / executing theater-level warfare
- 13-day course, 2 classes/year
- 2-star officers



Joint / Combined Force Air Component Commanders Course (J/CFACC)

- Leading / planning / executing air & space warfare at the theater level
- 6-day course, 1 JFACC and 1 CFACC per year
- 1 or 2-star officers



Senior Joint Information Operations Applications Course (SJIOAC)

- Presents concepts & principles of IO
- 4-day course 2 classes/year
- 1 or 2-star officers & civilian equivalents



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Senior Leader AF Education



Develop America's Airmen Today...for Tomorrow

Cyberspace Operations Executive Course (COEC)

- Understanding networks, vulnerabilities, threat activity, and protection efforts
- 1.5 -day course 2 classes/year
- 3 or 4-star officers & civilian equivalents



AF Senior Executive Warfighter Perspective Seminar (AFSEWPS)

- Increases knowledge of airpower
- USAF doctrine basics; Joint issues
- 4.5-day course, 2 classes/year
- AF Sr. Executives



Senior Leader Airpower Doctrine Seminar (SLADS)

- Update AF JPME attendees on changes in doctrine and current doctrine issues
- 1-day course, 12 times/year, 6-12 attendees per course
- General Officer and civilian equivalents JPME course attendees



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PCE

Professional Continuing Education

Develop America's Airmen Today...for Tomorrow



Contingency Wartime Planning Course (CWPC)

- Fundamentals of deliberate & crisis action planning
- Duration – 2 weeks / 9 times per year
- E-5 through O-5 (Joint)



Joint Air Operations Planning Course (JAOP)

- How to develop, plan, and execute the air and space portion of a joint campaign plan
- Duration – 2 weeks / 6 times per year
- Officers O-3 through O-6 (Joint/Coalition)



IO Fundamental Application Course (IOFAC)

- Application of the principles of information operations to enhance warfighting capabilities.
- Duration – 1 week / 6 times per year
- Airmen E-4 through O-5 and GS-7 through GS-13





Intelligence Education



Develop America's Airmen Today...for Tomorrow

Air War College (AWC) & Air Command and Staff College (ACSC) – Intel Electives

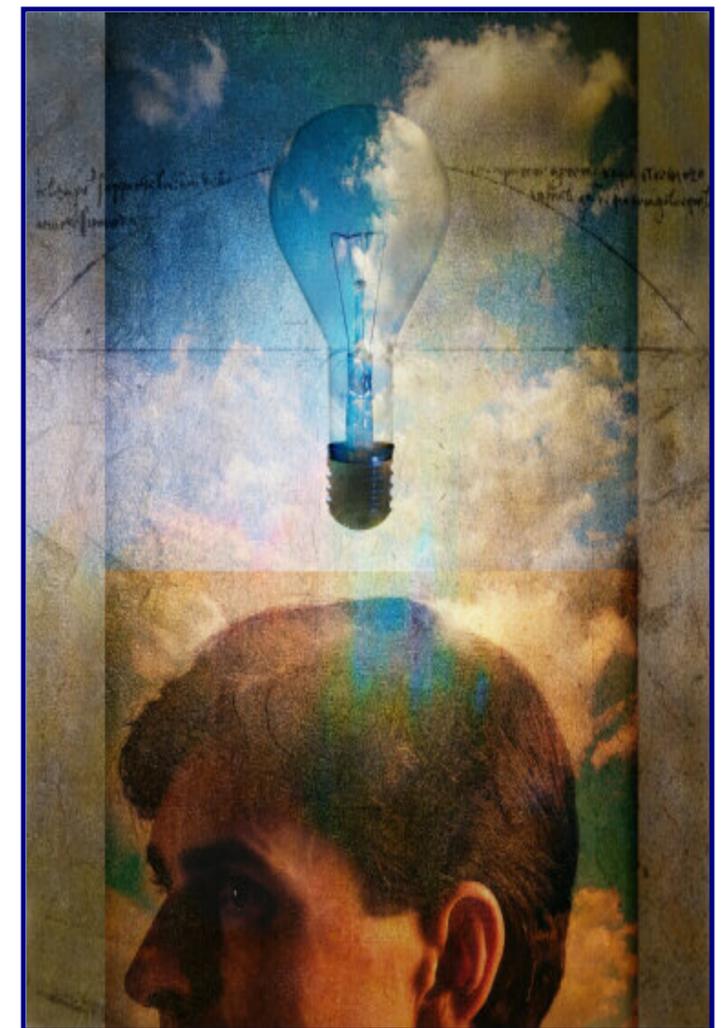
- Intelligence Requirements for Cyberspace (AWC)
- Intelligence, Surveillance, and Reconnaissance (ISR) for the Warfighter (AWC)
- Homeland Security: The Enemy, the Threat and What to Do (ACSC)
- ISR: Operational Perspective for the Warfighter (ACSC)

Additional PME / PCE Support

- Squadron Officer College
- Officer Training Squadron
- National Intelligence University
- Intelligence Masters Skills Course (Goodfellow AFB, TX)
- LeMay Center PCE Courses, including JAOP and IOFAC

Other Support to Air University (AU)

- Functions as AU's Special Security Office & Senior Intelligence Officer
- Hosts Maxwell Intelligence Society Forums
 - AU/42 ABW Students, Faculty & Staff



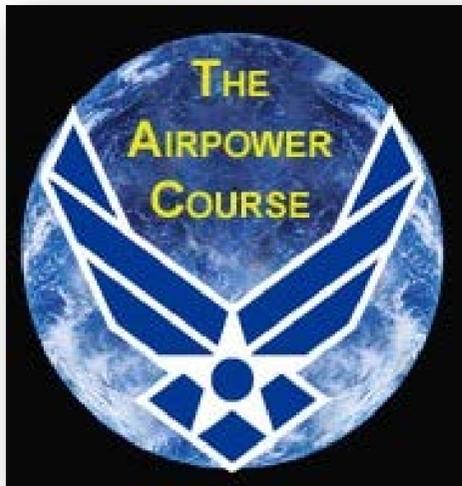
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Distance Learning Courses

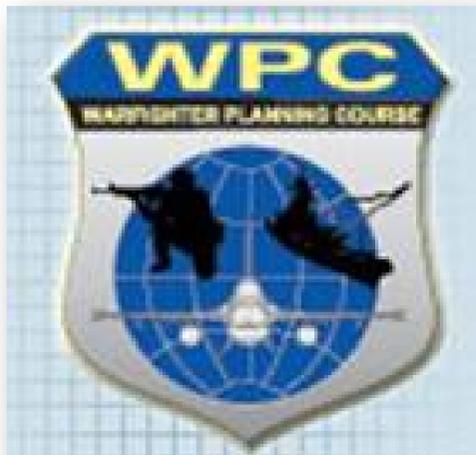


Develop America's Airmen Today...for Tomorrow



Airpower Course

- Prepares Airmen to articulate airpower in the joint environment
- Aimed at Airmen en route to joint assignments
- Outside the firewall and available to the general public
- <http://www.apc.maxwell.af.mil/main.htm>



Warfighter Planning Course

- Provides foundation in Joint Air Ops planning
- Links National Security Strategy to the AF planner



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AF Doctrine Outreach



Develop America's Airmen Today...for Tomorrow

- ***Assist Combatant Command Air Force Components with doctrine expertise and support to exercises, experiments, and wargames***
- ***Provide “on-call” Doctrine Response Teams (DRT) to support doctrine education, analysis, application, and training for real-world operations and events***
- ***Provide doctrine-related observations from exercises and real-world operations for potential integration into doctrine, PME and PCE across AU***
- ***Publishes Doctrine Advisory/Update***



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Doctrine Response Teams



Develop America's Airmen Today...for Tomorrow

- ***Recent exercise support***
 - ***ULCHI FREEDOM GUARDIAN 11 & 12***
 - ***KEY RESOLVE 12***
 - ***AUSTERE CHALLENGE 11 & 12***
 - ***ARDENT SENTRY 11***
 - ***NAVY GLOBAL***
- ***Recent real-world support***
 - ***Operation TOMODACHI mission analysis***
 - ***COMREL analysis ISO 17AF deactivation***



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Up Next



Develop America's Airmen Today...for Tomorrow

- ★ **Doctrine**
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- ★ **Joint Outreach and Liaison**
- ★ **Web Presence**



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Air Force Wargaming



Develop America's Airmen Today...for Tomorrow

Global Challenge (AWC)

- Senior Service School Capstone wargame
- Focus on DIME spectrum to a crisis
- One-sided seminar based construct
- Approx 235 students participate



Joint Land, Air and Sea Strategic Exercise (Joint SDE)

- Senior Service School elective
- Develop responses to regional crisis
- Distributed planning / collective execution
- Two-sided seminar based construct
- Approx 115 students participate



Joint Air Exercise, Joint Planning Exercise, Joint Wargame, and Joint Intermediate Planning Staff Exercise (ACSC)

- Tri-phased execution; capstone games for three courses
- Operational joint and air doctrine focus
- One-sided execution with model assistance
- Approx 510 students participate



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Air Force Wargaming



Develop America's Airmen Today...for Tomorrow

Theater Campaign Warfare (SAASS)

- Intermediate service school elective
- SAMS, MAWS, and SAW participate
- Focus on DIME spectrum to a crisis
- Distributed planning / collective execution
- One-sided seminar based construct
- Approx 100 students participate



Judge Advocate Wargame and JAGZILLA (AFJAGS)

- Leadership, management, communication focus
- Reinforces course material
- Tactically focused / simulation assisted
- JAGWAR – 2 games per year with approx 64 students per game
- JAGZILLA – 1 game per year with approx 110 students per game



Focused Long Term Challenge (AFRL)

- Gain insights useful in making decisions on:
 - AFRL Research Resource Prioritization
 - Creating/optimizing Focused Long Term Challenge Warfighter Concepts



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Air Force Title 10 Wargaming



Develop America's Airmen Today...for Tomorrow

US Air Force Future Capabilities Game

- One of the two Air Force Chief of Staff's Title 10 wargames
- A long-range strategic planning activity at General Officer level
- Compares alternative futures and force structures
- Supports strategic planning inputs
- Influences (and is influenced by) the "Unified Engagement" series
- Insights gleaned impact Air Force strategic planning, concept development and force structure investment streams



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Alliance Wargaming Support



Develop America's Airmen Today...for Tomorrow

Australian Command & Staff College, Weston Creek

- PEGASUS Australia
- Capstone Air Phase event for 45 students



Netherlands Defense College, The Hague

- PEGASUS Netherlands
- Capstone event for 14 students
- Executed at Maxwell AFB



Joint Services Command & Staff College, Shrivenham, UK

- PEGASUS United Kingdom
- Capstone Air Phase event for 170 students



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Geographically Separated Units



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Joint Ties

ALSA -- Langley AFB, VA

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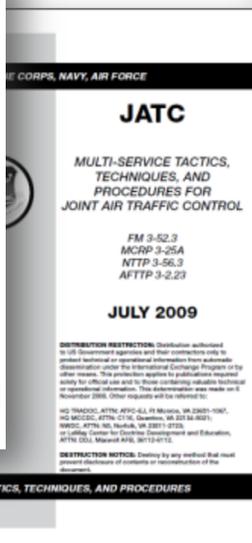


- ★ Joint organization: “meeting immediate needs of warfighter”
- ★ Chartered by 4 services– steered by Joint Actions Steering Committee
- ★ LeMay Center is Air Force Voting Member
- ★ Input from field + speed = Joint solution with instant combat impact
- ★ Authors and maintains 35 Multi-Service manuals/instructions
- ★ Conducts field research to stay relevant, outreach to inform units

Multi-Service Tactics, Techniques and Procedures



Quarterly Bulletin



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Pentagon Ties



Develop America's Airmen Today...for Tomorrow

★ Joint and Air Staff Liaison (Washington, DC)

- Focal point for Joint and Air Staff issues and communication



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Joint Integration Directorate



Develop America's Airmen Today...for Tomorrow

★ Air Force - Army tie-in

- Located at Fort Leavenworth and 3 operating locations
- Supports Army Doctrine Development
- Provides Air Force Support to TRADOC Exercises, Experiments and Wargames
- Plans, prepares, and presents Air Force instruction to Army personnel in basic qualification courses (PME)
- Instruction is IAW current AF concepts, doctrine, and tactics, techniques and procedures (TTPs)



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Up Next



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Global Web Presence



Develop America's Airmen Today...for Tomorrow

CURTIS E. LEMAY CENTER FOR DOCTRINE DEVELOPMENT AND EDUCATION

Home About Us Doctrine Doctrine Update Education Wargames Contacts

AF Doctrine Pubs Courses Wargames

Courses for Warfighters

The LeMay Center offers doctrine-based resident and online courses to address Warfighters' needs throughout their careers. Select a course from the right for more information.

WARFIGHTING EDUCATION

Select a course below to view its information

Intermediate Courses

- Joint Air Operations Planning Course
- Contingency Wartime Planning Course
- IO Fundamentals Application Course

Online Courses

- Airpower Course
- AFFOR Staff Training Course
- Warfighter Planning Course

Doctrine Games

Click Here to Play Doctrine Games!

Doctrine News

Doctrine Development Snapshot — Click on the "Doctrine Development Snapshot" link above to view the a more complete development picture.

Spring 2012 AFDWG Registration — AFDWG attendees need to register on the Doctrine Development COP.

Doctrine Update for JP 2-01, Joint and National Intelligence Support to Military Operations — Click on "Doctrine Update" above to view a summary of selected changes from the interim change to JP 2-01 [Archive]

Course News

Joint Air Operations Planning Course (JAOPC) — Upcoming Classes

Contingency Wartime Planning Course (CWPC) — Upcoming Classes

Doctrine Development Course (DDC) — Next DDC is 1-4 May at Maxwell AFB. Contact Mr. Buddy Love at DSN 493-4641 to attend.

Information Operations Fundamentals Application Course (IOFAC) — Upcoming Classes [Archive]

LeMay Center News

AETC Award Winner — Congratulations to LeMay Center's Mr. Michael Ivanovsky for being named AETC's Outstanding ISR Civilian Instructor of the Year for 2011. [Archive]

LeMay Center .mil Restricted Web Site

AIR UNIVERSITY CURTIS E LEMAY CENTER FOR DOCTRINE DEVELOPMENT AND EDUCATION

Home Links Contact Us

The LeMay Center develops and publishes Air Force doctrine, teaches doctrine through resident and on-line courses, and advocates airpower through visionary wargaming. Here you can download and read our doctrine and learn about the courses and wargames we conduct.

AF Doctrine Pubs Wargames

Air Force Basic Doctrine

AFDD 1 is the Air Force's premier statement of fundamental warfighting principles and beliefs. Provides the Airman's perspective on war. Discusses the Principles of War and the Tenets of Airpower. Outlines the core functions the Air Force provides to the Nation and joint force.

Read (pdf)

Basic Doctrine, Organization, and Command

Select a document below to view its information

- AFDD 1 Air Force Basic Doctrine
- AFDD 1-04 Legal Support (2-4.5)
- AFDD 1-1 Leadership and Force Development
- AFDD 2 Operations and Organization
- AFDD 2-0 ISR Operations (2-7)
- AFDD 3-01 Counterair Operations (2-1.1)
- AFDD 3-03 Counterland Operations (2-1.3)
- AFDD 3-04 Countersea Operations (2-1.4)
- AFDD 3-05 Special Operations (2-7)

The LeMay Center

Welcome to the Curtis E LeMay Center for Doctrine Development and Education where Air Force doctrine is developed, advocated in exercises and wargames, represented in Joint and Multinational doctrine, and deployed to Airmen through a multifaceted outreach program. Our ultimate aim is to create and sustain an Air Force doctrine culture that best serves our nation.

History of the LeMay Center (swf) Biography

LeMay Center Mission

As the principal Air Force organization responsible for doctrine expertise, the LeMay Center develops, advocates, assesses, and revises Air Force, Joint, and multi-national doctrine and ensures doctrinal concepts are integrated into AFITPs, education, and wargaming to enhance warfighting.

Mission Briefing (pdf)

Air & Space Power Course

What is Air Force doctrine? How did it evolve? What does airpower do for the nation? The Air & Space Power Course answers these questions and more. The course was originally designed to prepare Air Force officers in joint duty assignments to better articulate and advocate air and space power principles and beliefs; it's an airpower primer. The LeMay Center is proud to offer this version of the course to everyone interested in airpower.

Take the Course

(Military users should go to the Air Force Portal and search for "LeMay Center.")

LeMay Center Social Media

Doctrine Updates for LeMay Center on Twitter

LeMay Public Web Site

AF PORTAL

Global Combat Support System (GCSS) AF

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LEMay CENTER FOR DOCTRINE DEVELOPMENT & EDUCATION (show address)

All Organizations: MAJCOM: Air Education and Training Command (AETC): Air University: AU: LeMay Center for Doctrine Development & Education

LeMay Center and Site LeMay Center Public Site

About Us Doctrine Education Wargames Contacts LeMay Center Main AFKN COP Contact the Content Manager

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Announcements

(0) Site Updates

Featured Items

CURTIS E LEMAY CENTER FOR DOCTRINE DEVELOPMENT AND EDUCATION

OUR MISSION

As the principal Air Force organization responsible for doctrine expertise, the LeMay Center develops, advocates, assesses, and revises Air Force, Joint, and multi-national doctrine and ensures doctrinal concepts are integrated into AFITPs, education, and wargaming to enhance warfighting.

Go to the LeMay Center .mil Web Site Go to the LeMay Center Public Web Site

Course Information

(5) Senior Leader Courses

- Air Force Senior Executive Warfighter Perspective Seminar
- Combined Force Air Component Commander Course
- Operations Operations Executive Course
- Joint Flag Officer Warfighting Course
- Joint Force Air Component Commander Course
- Senior Joint Information Operations Applications Course

(3) Intermediate Courses

- Contingency Wartime Planning Course
- Information Operations Fundamentals Application Course
- Joint Air Operations Planning Course

Wargames Information

(1) Wargames (CoP Resources)

Doctrine Related Web Sites

(10) Reference Quick Links

- Air Force Glossary
- Joint Electronic Library
- DDO Dictionary (JP 1-02)
- Army Publications — Resnet Digital Library
- Naval Doctrine Library System
- USMC Doctrine Pubs
- Air E Publishing — Doctrine Pubs
- About the Megapubs (pdf)
- AFDD Megapub (pdf)
- Joint Doctrine Megapub (pdf)

DD Notice and Consent

(1) DDO Notice and Consent

- DD Notice and Consent

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LeMay AF Portal Page



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Conclusion



Develop America's Airmen Today...for Tomorrow

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- ★ **Wargaming**
- ★ **Joint Outreach and Liaison**
- ★ **Web Presence**

Aligned – Relevant - Credible



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Questions/Discussion



Develop America's Airmen Today...for Tomorrow

“At the very heart of warfare lies doctrine”



<http://www.au.af.mil/au/lemay> (Public)

