

Welcome to the
WRP MRHSDP&A Committee webinar
on the Department of Defense's
aviation mission

- We look forward to your input on this webinar
- Please be sure your phone is on mute (and not hold)
 - This will ensure we will not have noise distractions on the webinar (such as beeps, other conversations, etc.)
- Please let us know if you have any questions or comments by using the chat box or by “raising your hand”
- Please identify yourself each time before speaking throughout the whole meeting

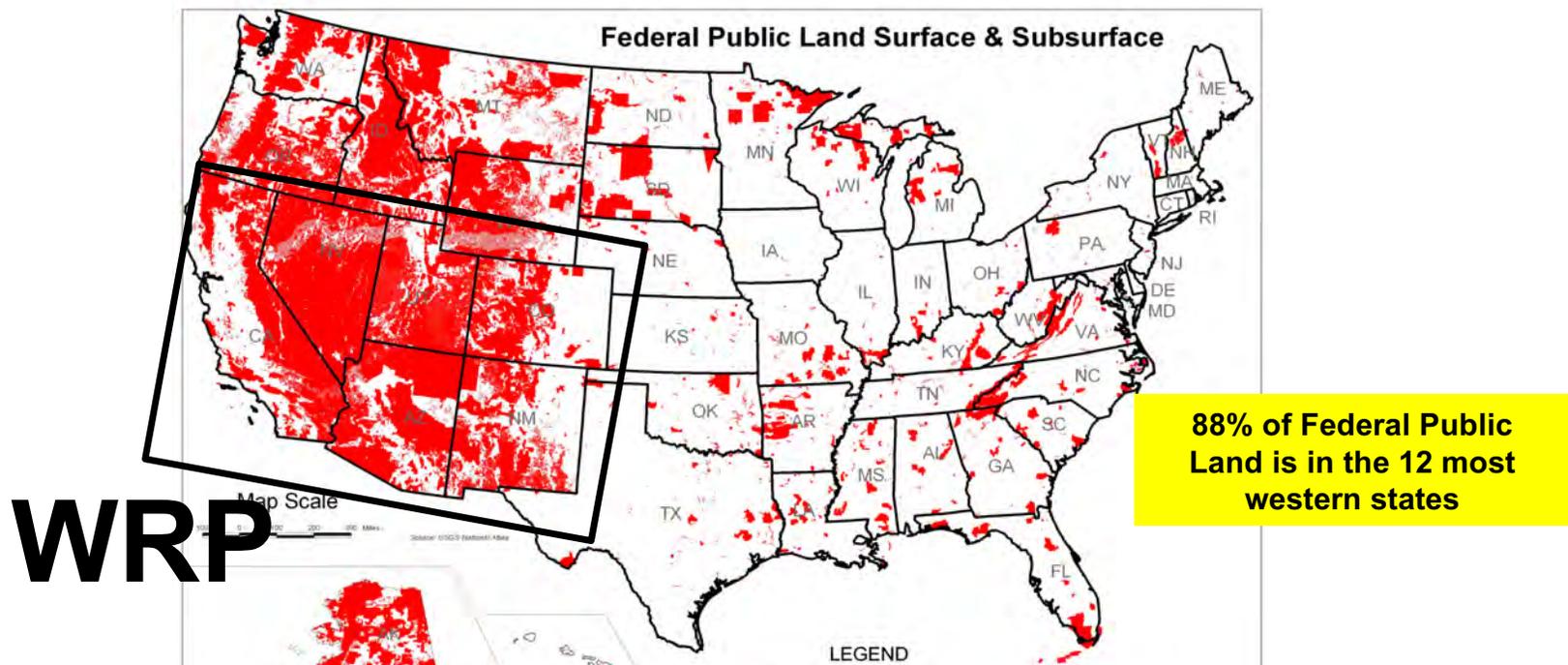


Western Regional Partnership

wrpinfo.org

WRP Mission

WRP provides a proactive and collaborative framework for **senior-policy level Federal, State and Tribal leadership** to identify common goals and emerging issues in the states of **Arizona, California, Colorado, Nevada, New Mexico and Utah** and to develop solutions that support WRP Partners and protect natural and cultural resources, while promoting sustainability, homeland security and military readiness.



WRP Region's Uniqueness

- **Importance to the Military**

- Extensive Training Ranges, Premier Testing Facilities, Unmatched Military Air Space

- **Army:** ~55% of the Army's landholdings
 - **Navy:** Over 33% of Navy's landholdings
 - **Marine Corps:** 67% of Marine Corps' airspace
85% of Marine Corps' Live Fire Ranges
 - **Air Force:** Includes four of the largest USAF range complexes - Edwards, Nellis/Creech/NTTR; Luke/Goldwater; and UTTR
 - 75% of DoD Special Use Airspace is located within the WRP Region

- **Significant amounts of Federally managed land**

- In WRP states, Federal land ranges from 34.1% - 84.9% of total state

- **Significant State Trust Landholdings**

- **Approximately 172 Federally recognized Tribes**

WRP Structure

5

WRP Co-Chairs:



Honorable Gary Herbert

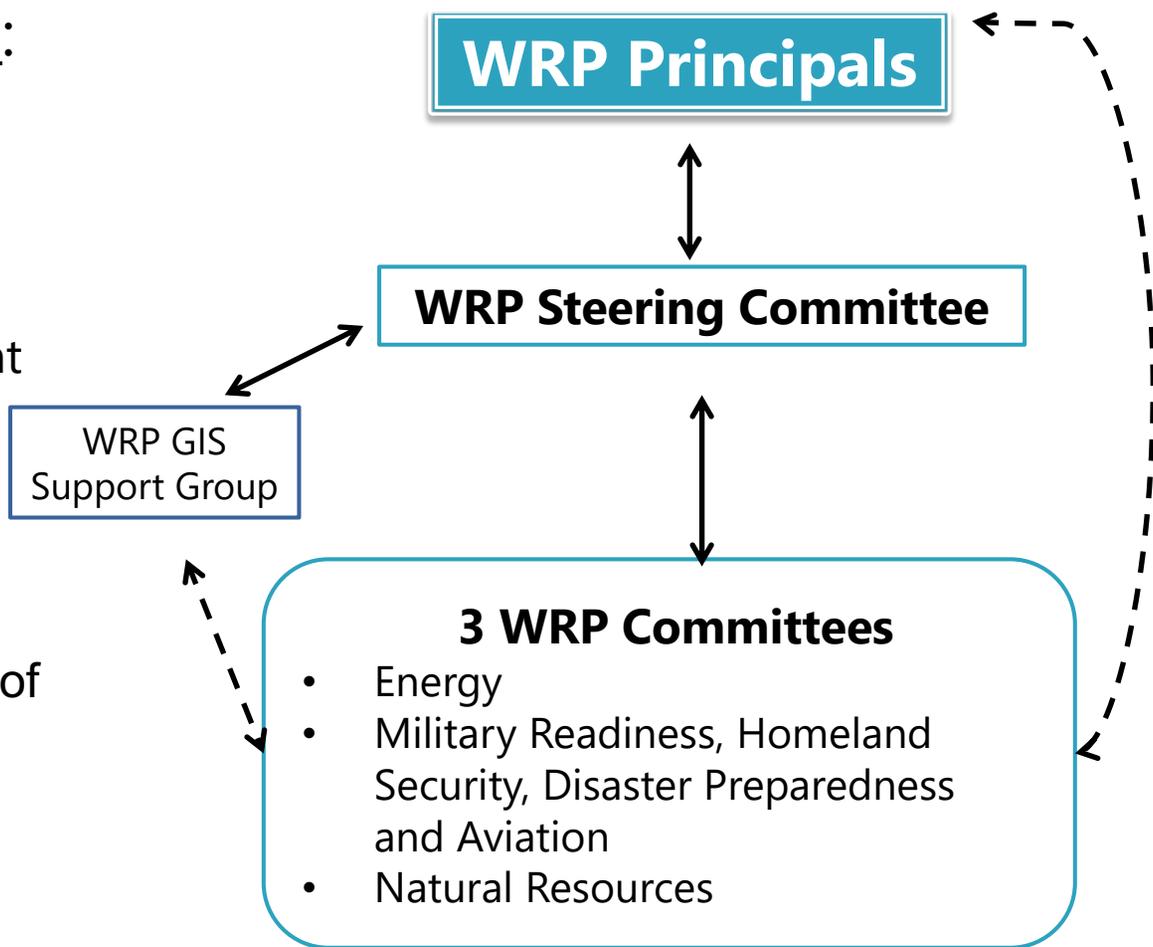
Governor of Utah



Joe Balash, Assistant Secretary for Land and Minerals Management, DOI



Lucian Niemeyer
Assistant Secretary of Defense for Energy, Installations and Environment



WRP Steering Committee



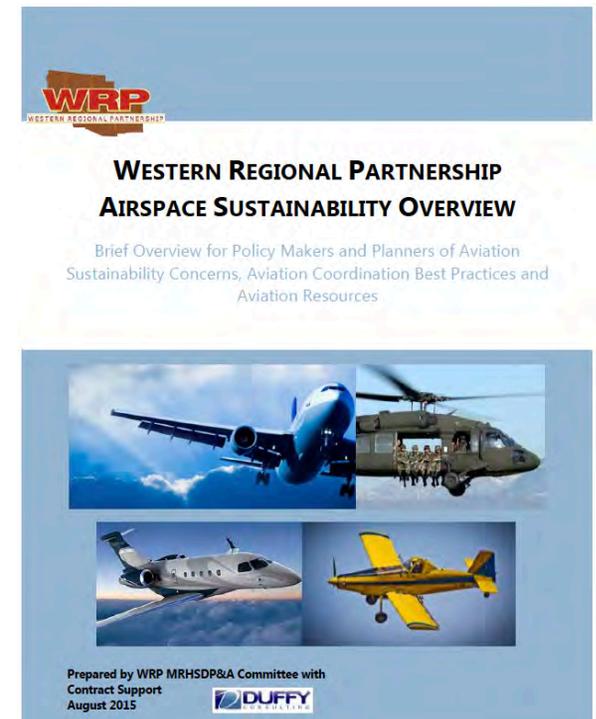
- Representatives of each of the six WRP States:
 - Arizona, California, Colorado, Nevada, New Mexico and Utah
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- Customs and Border Protection, U.S. Border Patrol
- Federal Aviation Administration
- Federal Emergency Management Agency
- Federal Highway Administration
- National Park Service
- Natural Resources Conservation Service
- National Oceanic and Atmospheric Administration
- Office of Secretary of Defense
- U.S. Air Force Headquarters
- U.S. Army
- U.S. Army Corps of Engineers
- U.S. Department of Energy
- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- U.S. Forest Service
- U. S. Geological Survey
- U.S. Marine Corps Installations West
- U.S. Navy
- Native American Leadership:
 - Navajo Nation, Inter-Tribal Council of CA, Inc.
- Western Governors Association Liaison

2015 WRP Airspace Sustainability Overview

Brief overview for policy makers and planners of aviation sustainability concerns, aviation coordination best practices and aviation resources

- Issues Identified with Recommendations:
 - ▣ Land Encroachment/Development
 - ▣ Changes in Aviation Operations
 - ▣ Electromagnetic Interference
 - ▣ New Technologies
- Aviation Coordination/Outreach Best Practices
- Aviation Tools and Resources
- Background/Airspace Definitional information

Document attached to Adobe Connect File Share – seeking your input on any gaps in the document



WRP MRHSDP&A Committee Co-Chairs

- **LtCol J. L. Meeker/Major Ledford**, Director of Aviation Operations, Marine Corps Installations West
- **Kevin Moody**, Ecologist, FHWA
- **Stephanie Poore**, NPD Analyst, FEMA Region VIII
- **Connie Reitman**, Executive Director, Inter-Tribal Council of CA, Inc.
- **Kim Stevens**, Director of Communications and Operations, NASAO
- **Julie Valentine**, Senior Advisor - SW Border, Bureau of Land Management

WRP MRHSDP&A Committee webinar on the Department of Defense's aviation mission

Today's Webinar:

- Overview of Department of Defense aviation mission, including types of aircraft currently flying and their roles in test and evaluation (T&E); training; and operations
- Why the southwest region provides a unique environment to conduct their mission
- DoD Special Use airspace (type/mission): Restricted Areas (RAs), Military Operations Areas (MOAs), and Military Training Routes (MTRs)
- Airspace challenges that potentially impact DoD's ability to carry out its flying mission and what the military can do to manage encroachment while being "good neighbors"

Recent WRP Regional Assessment identified **airspace** as third most important issue

Today's Webinar Presenters

- **Colonel Brett Howard (USAF)**
 - Reserve Advisor to the Commander, Twelfth Air Force
 - Command pilot with more than 3,500 hours in five different aircraft
- **Lieutenant Colonel Meeker (USMC)**
 - Director of Aviation Operations, Marine Corps Installations West
- **Lieutenant Colonel Marentette (USAF)**
 - AF Representative to the FAA's Western Service Area
- **Major Ledford (USMC)**
 - Director of Aviation Operations, Marine Corps Installations West
 - Private Pilot since 1999
- **Mr. Jim Hutto (USAF)**
 - Director, Governmental Affairs, Hill AFB
 - Served 25 years as USAF pilot with almost 5000 Flight Hours
- **Mr. Matt Walsh (Army)**
 - Executive Liaison for the Commanding General at Ft. Huachuca



12 AF (AFSOUTH)

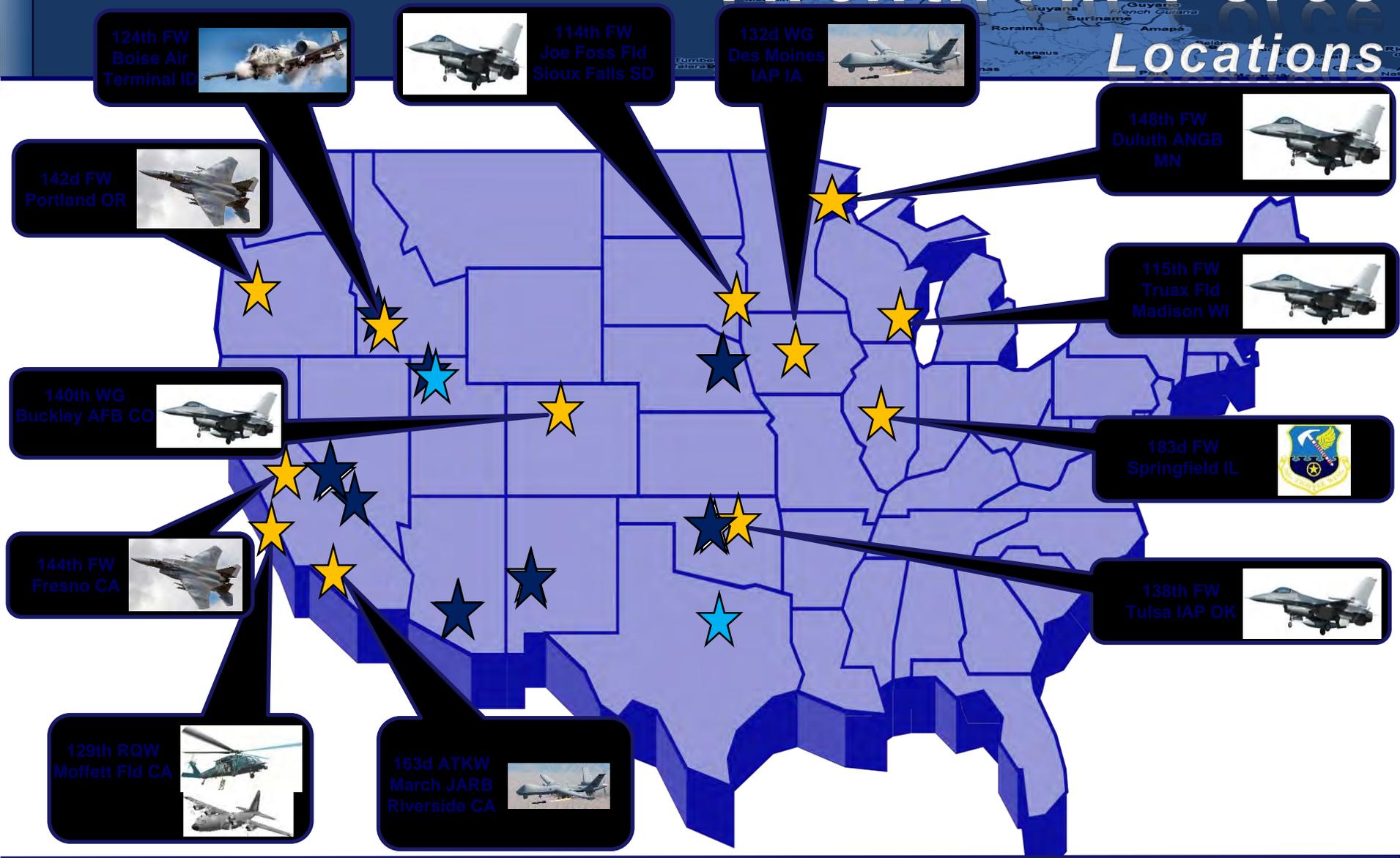
Integrity - Service - Excellence



The overall classification of this briefing
is UNCLASSIFIED



Twelfth Air Force Locations



Air Force Reserve Component Wings

★ 

Active Duty Air Combat Units

★ 

Air National Guard Wings

★ 

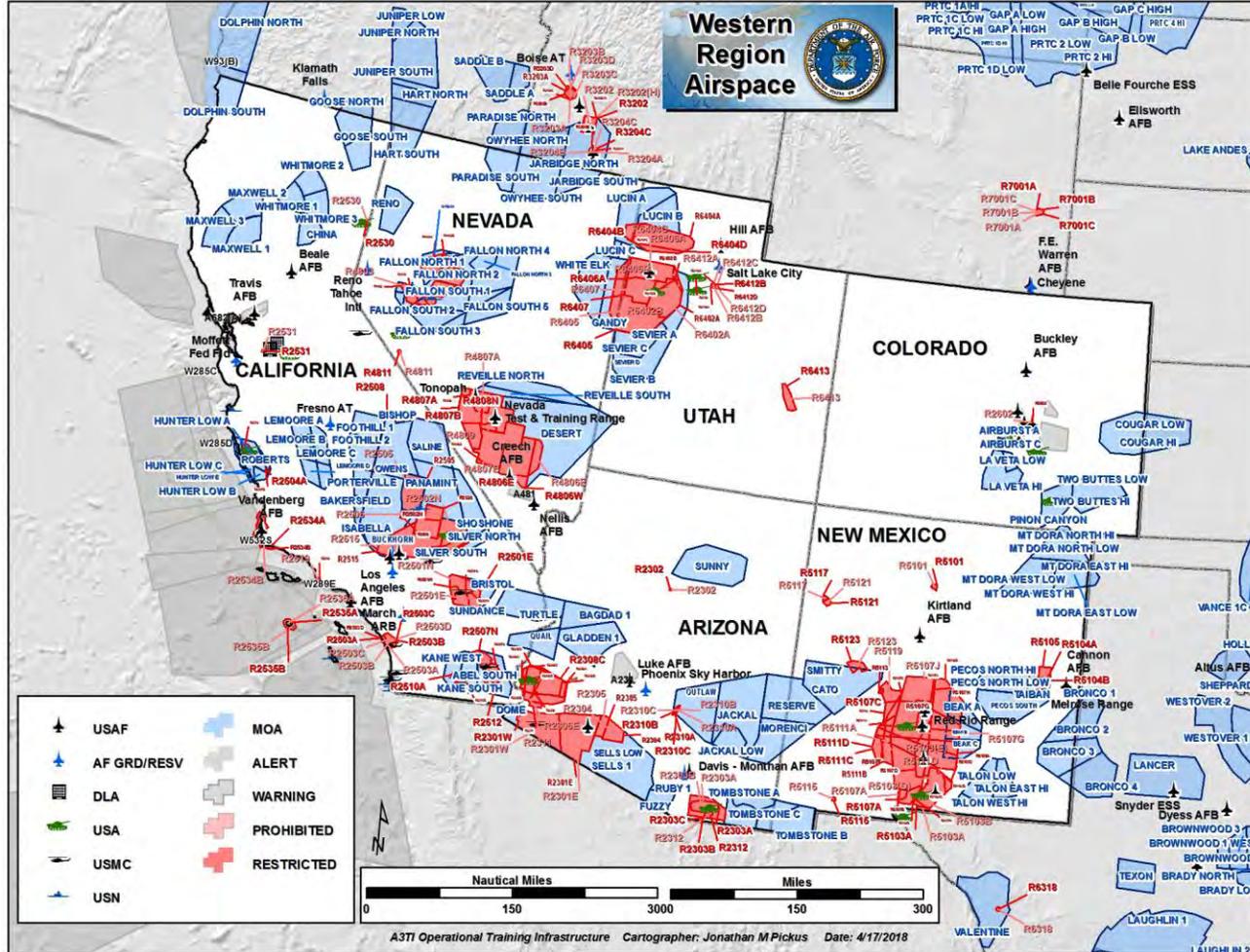


12 AF Military Airspace/Range Users



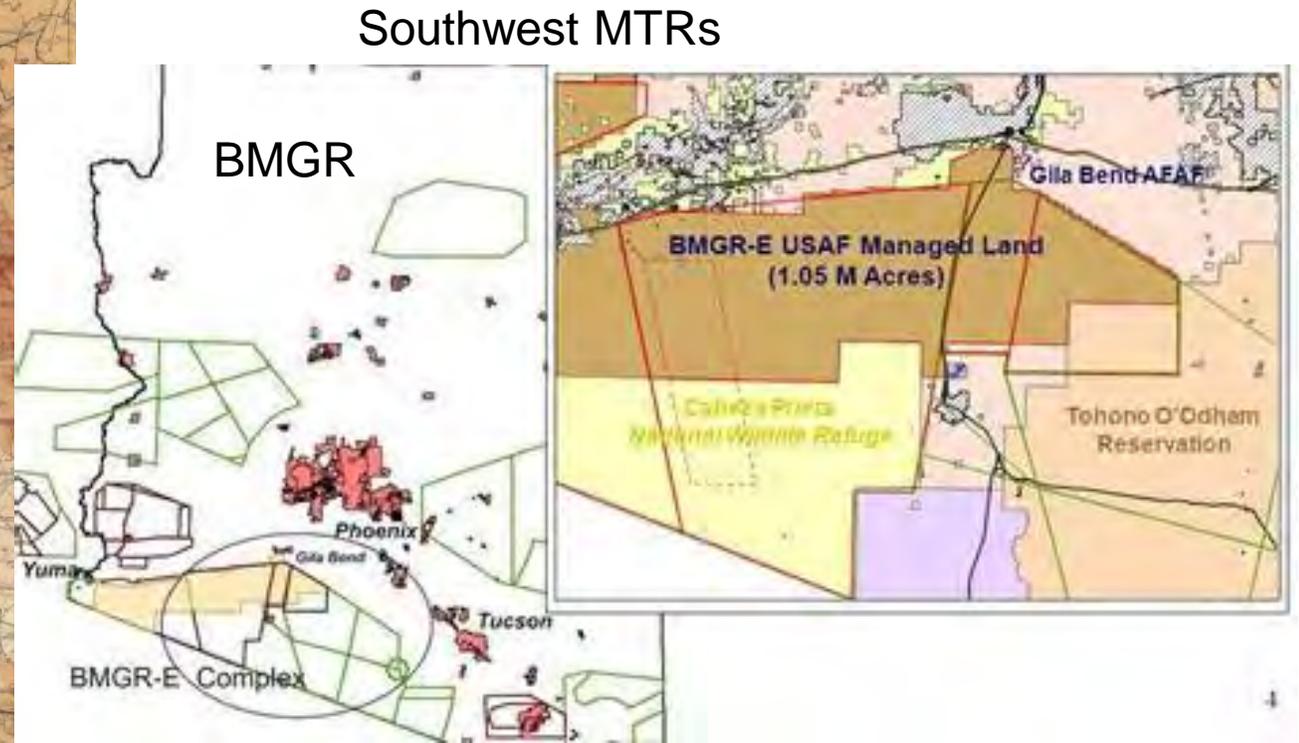
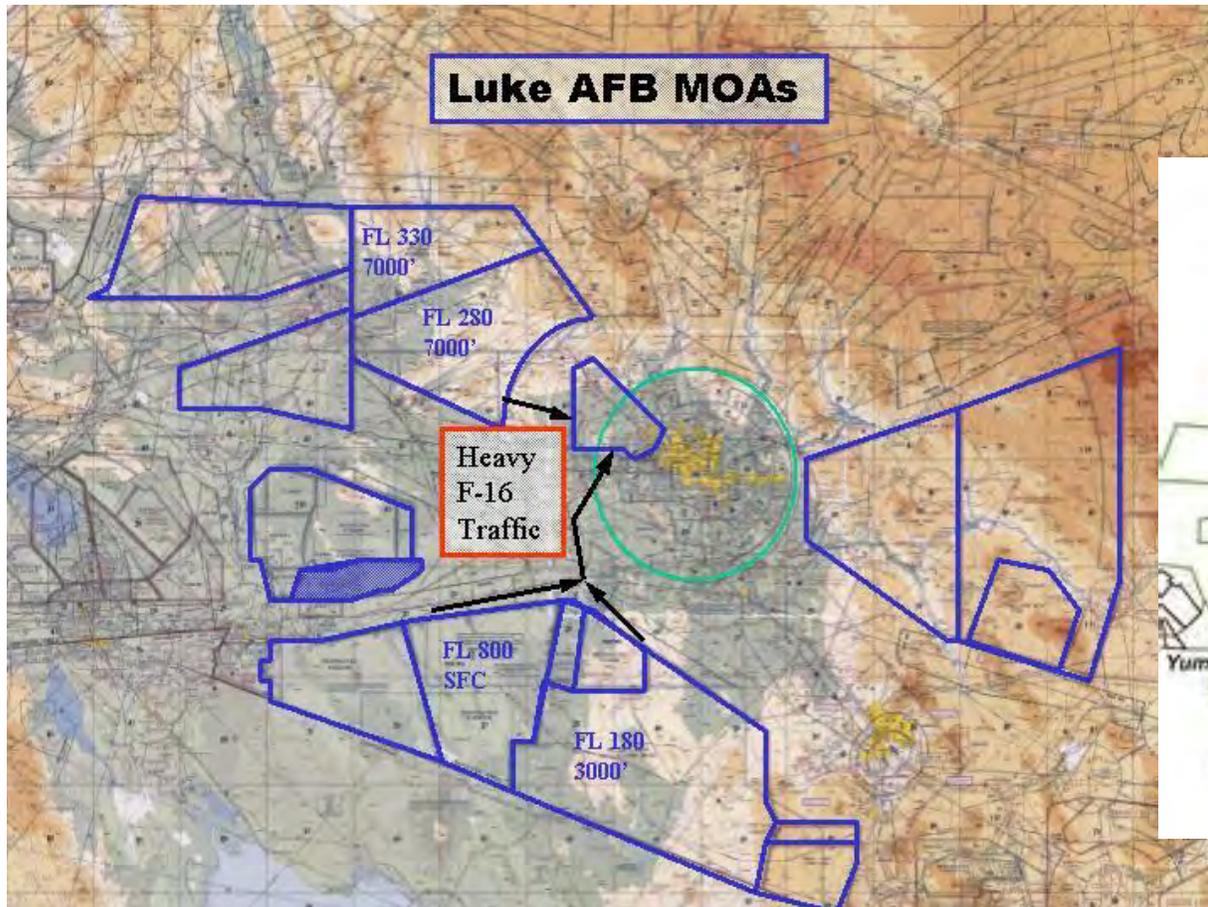


Airspace / Ranges / MTRs





Airspace / Ranges / MTRs





Partnership Leads to Success





Because without airpower, you lose!





UTAH TEST
&
TRAINING
RANGE

HILL AFB, UTAH



UTTR Operations & Maintenance



75TH CIVIL ENGINEER GROUP

- **Operations run by Air Combat Command**
 - **388 Fighter Wing – HQ UTTR**

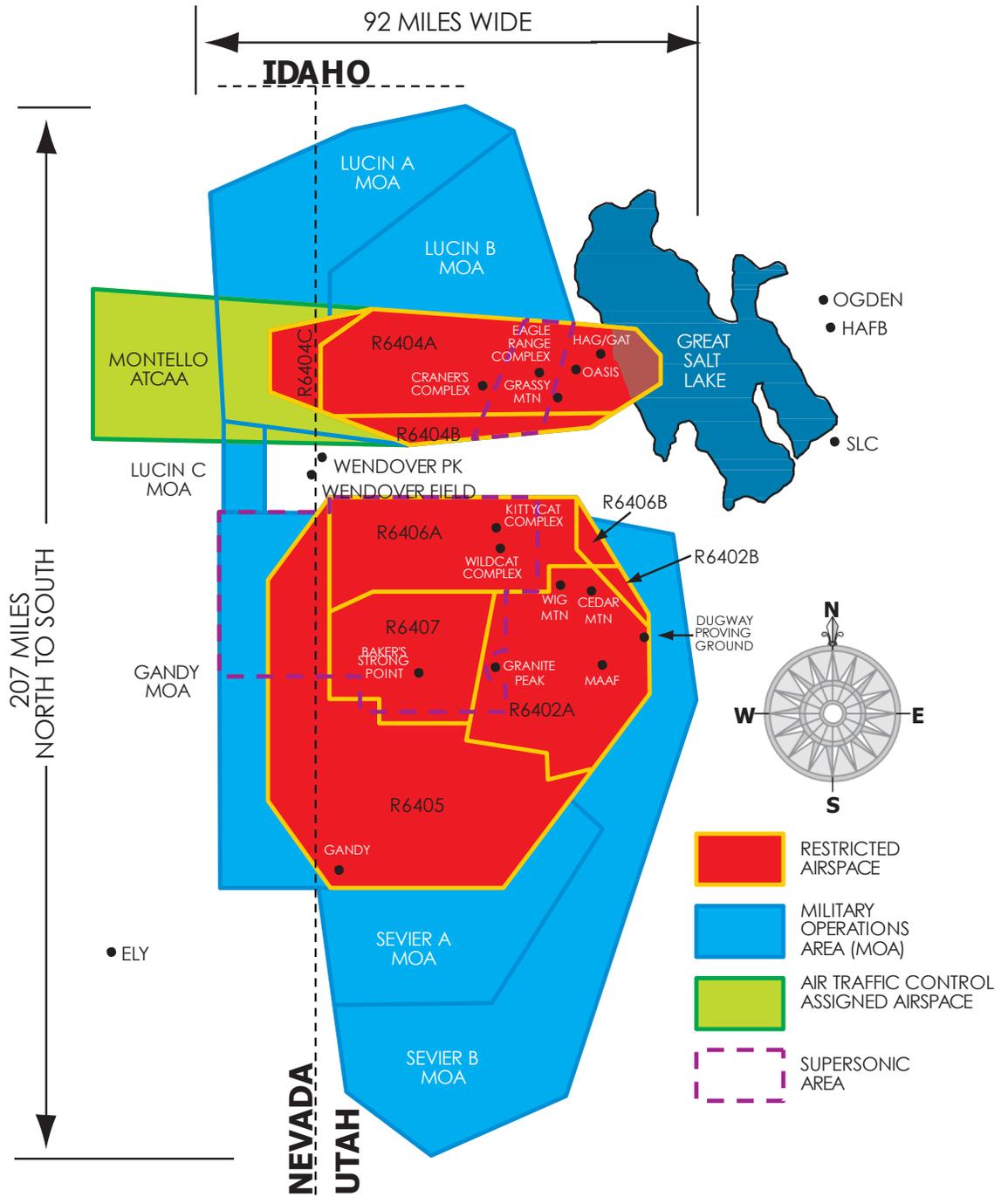
- **Sustainment/Maintenance run by Air Force Material Command**
 - **75 Air Base Wing**

UTTR Mission

- The UTTR is a Department of Defense (DoD) Major Range and Test Facility.
- Provides unique environment for air-to-air and air-to-ground test and training
- The UTTR is also the only location capable of supporting overland testing of cruise missiles
- The UTTR is used in a training capacity for air-to-air-combat, air-to-ground inert and live practice bombing and gunnery training by DoD aircrews.
- Fully instrumented range – providing both test and training services

UTTR MAP

UTAH TEST & TRAINING RANGE



AERIAL MAP

**UTAH TEST
&
TRAINING
RANGE**

58,000'
MSL GANDY
MOA

RESTRICTED
58,000' MSL
(Unlimited Vertical
Airspace is
Available)

SEVIER A
MOA
14,500'
MSL

SEVIER B
MOA FROM
100' AGL
TO 9,500'
MSL

NEVADA

UTAH

IDAHO





Mission Control Center



Avery Compound



Grassy Mountain



Eagle Tower



75th Civil Engineer Group



75TH CIVIL ENGINEER GROUP



Range Support Division

BE AMERICA'S BEST



UTTR Demographics



75TH CIVIL ENGINEER GROUP

- **Area of Operations Consists of 9 Active Locations**
 - **North Range-744 Square Miles, 468K Acres and a Perimeter of 120 Miles**
 - **South Range-1370 Square Miles, 877K Acres, and a Perimeter of 162 Miles**
 - **JLENS- 15 Miles West of Oasis**
 - **Eagle Range- 8 Miles West of Oasis**
 - **Trout Creek Radar Site- 160 Miles South of Oasis**
 - **Goshute Radar Site- 70 Miles South of Oasis**
 - **Bovine Radar Site- 120 Miles North of Oasis**
 - **Grassy Mountain Radar Site- 22 Miles Southwest of Oasis**
 - **Diddle Knoll Radar Site- 22 Miles West of Oasis**



75 ABW UTTR Mission



75TH CIVIL ENGINEER GROUP

- **Provide Civil Engineering Real Property Maintenance & Repair**
- **Fire Protection & Prevention**
- **Recreational Services, Fuels & Vehicle Maintenance**
- **Munitions Disposal Operations for all DoD Customers Utilizing the Utah Test and Training Range**



BE AMERICA'S BEST



UTTR Updates



75TH CIVIL ENGINEER GROUP

■ Navy SLBM Beddown

- The project includes construction of 18 storage magazines, a transfer facility, facility infrastructure, and extension of 14.6 miles of existing rail line
- Total cost of the project is estimated at \$105.52M
- Construction start FY19 completed by FY21

■ Wendover Land Transfer

- In the process of transferring 9K acres to the Dept of Interior





Marine Corps Installations West Marine Corps Base Camp Pendleton



- Marine Air/Ground Task Force Concept
 - Why Marines fight and train the way we do
- USMC Aviation Transformation
 - Old to New and why it matters
- USMC Airspace in the WRP Region
 - Existing
 - Proposed
- Questions



Marine Air Ground Task Force Concept



The MAGTF is our Corps' principal organizational construct for conducting missions across the Range of Military Operations (ROMO). The MAGTFs provide Combatant Commanders (CCDRs) with scalable, versatile expeditionary forces able to: assure allies, deter potential adversaries, provide persistent United States presence with little or no footprint ashore, and respond to a broad range of contingency, crisis, and conflict situations. *We are a balanced combined arms force package containing command, ground, aviation, and logistics elements. A single commander leads and coordinates this combined arms team through all phases of deployment and employment. Our MAGTF teams live and train together, further increasing their cohesion and fighting power.*



Marine Air Ground Task Force Concept



Our Corps' task is to organize for combat in accordance with our statutory mandate to provide forces of combined arms, including aviation, by forming integrated combined arms MAGTFs. As the name indicates, the organization of the MAGTFs is specific to the tasks-at-hand and is mission-tailored for rapid deployment by air and/or sea. No matter what their mission or mode of deployment may be, the MAGTFs are comprised of four deployable elements supported from our bases and stations.

- Command Element
- Ground Combat Element
- Aviation Combat Element
- Logistics Combat Element

MEF/ MEB/ MEU/ SPMAGTF





USMC Aviation Transformation



- USMC aviation undergoing comprehensive upgrades to meet new/emerging threats

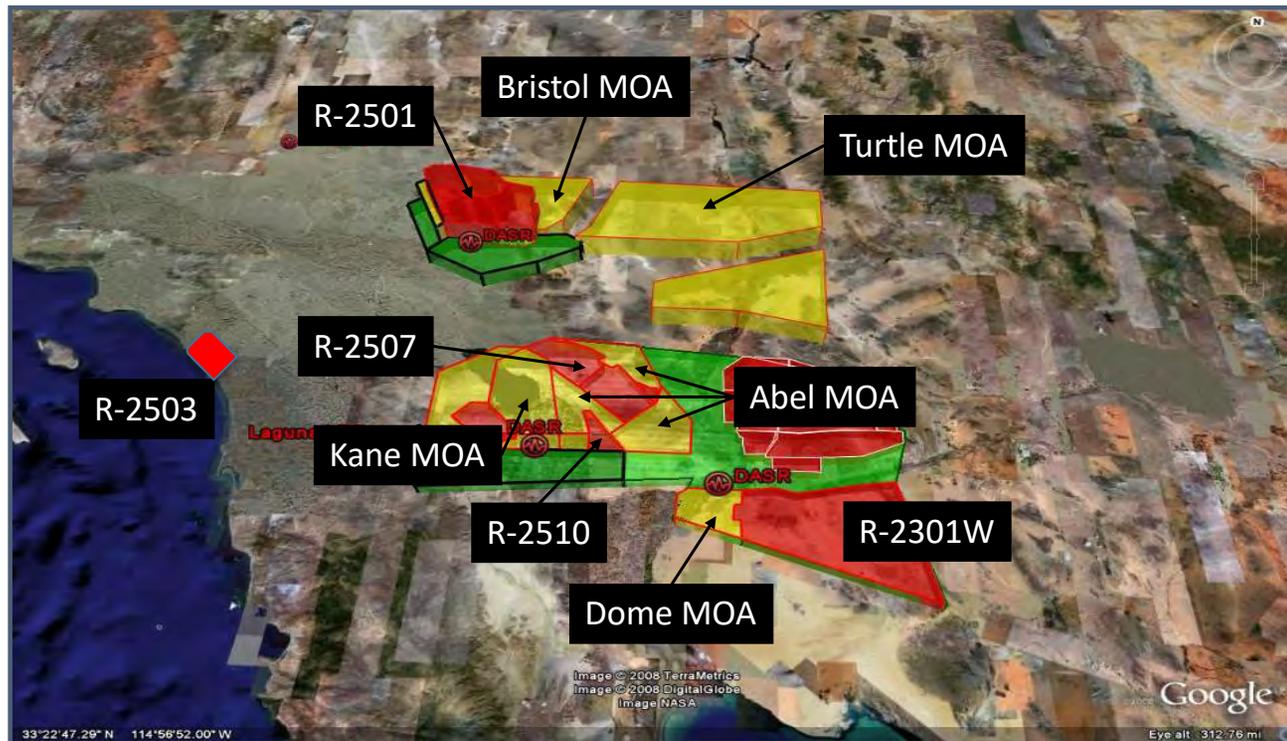
- CH-46 >> MV-22
- CH-53E >> CH-53K
- AH-1W >> AH-1Z
- UH-1N >> UH-1Y
- AV-8B & F/A-18A/B/C/D >> F-35 B/C



- Over the next five years, as Marine aviation continues with its modernization plan, the MAGTF's Aviation Combat Element will enter the heaviest years of aircraft transition in its history (FY17 USMC AVPLAN)



USMC Airspace in the WRP (Existing)





Marine Corps Installations West Marine Corps Base Camp Pendleton



29 Palms Airspace Establishment Over Newly Acquired Lands





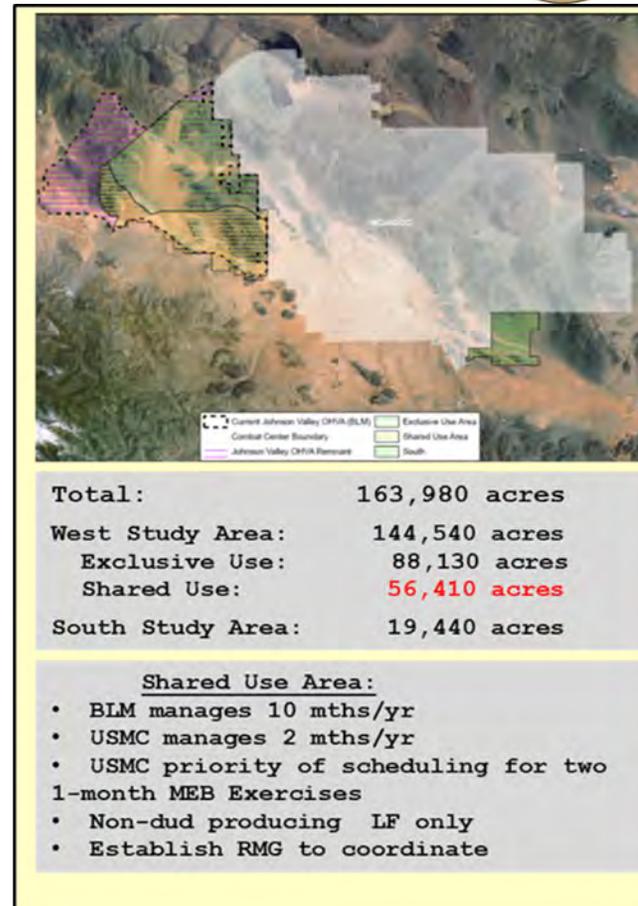
Twentynine Palms Land Expansion



- Marines train as a Marine Expeditionary Brigade (MEB) MAGTF to deploy around the globe.

- A MEB, about 15,000 Marines, includes:
- Command Element; Ground Combat Element built around a Regimental Combat Team (three battalions); Aviation Combat Element built around a Marine Aviation Group; Logistics Combat Element built around a Combat Logistics Regiment.

- Congress approved expanding MCAGCC to add sufficient land to support MEB training.

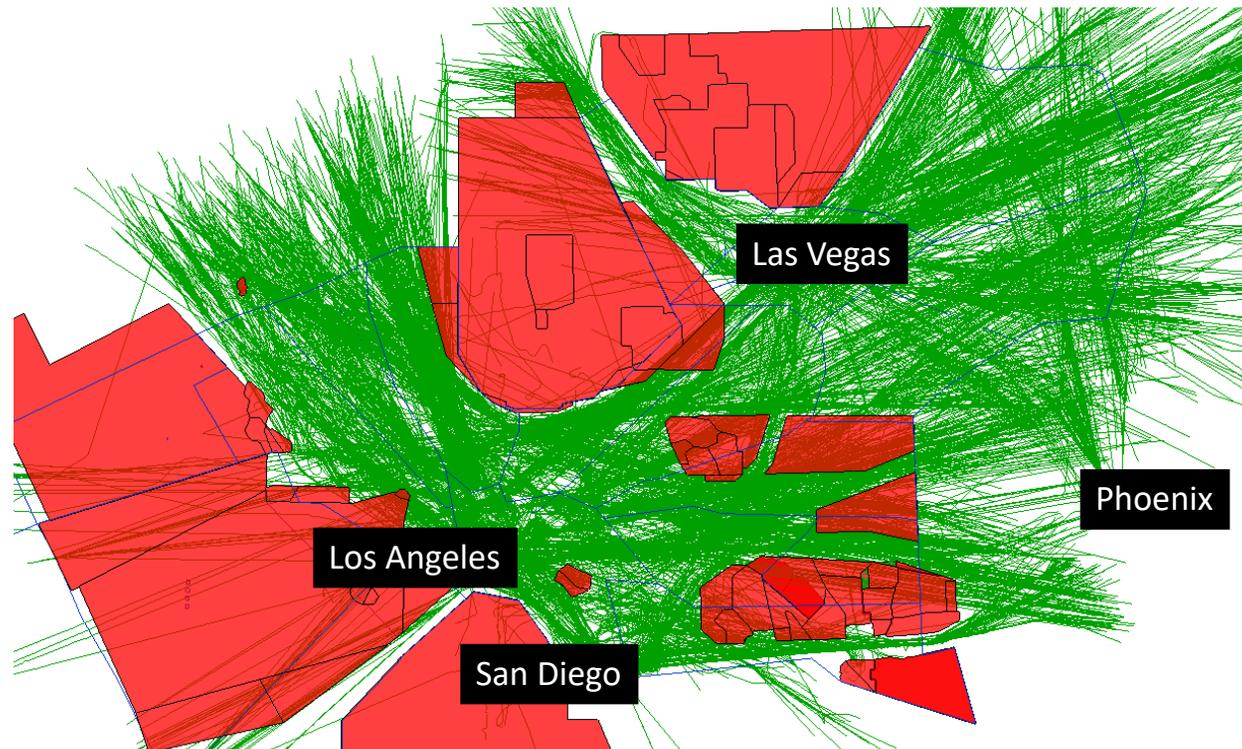




USMC Airspace in the WRP



Current Airspace Usage and Demands

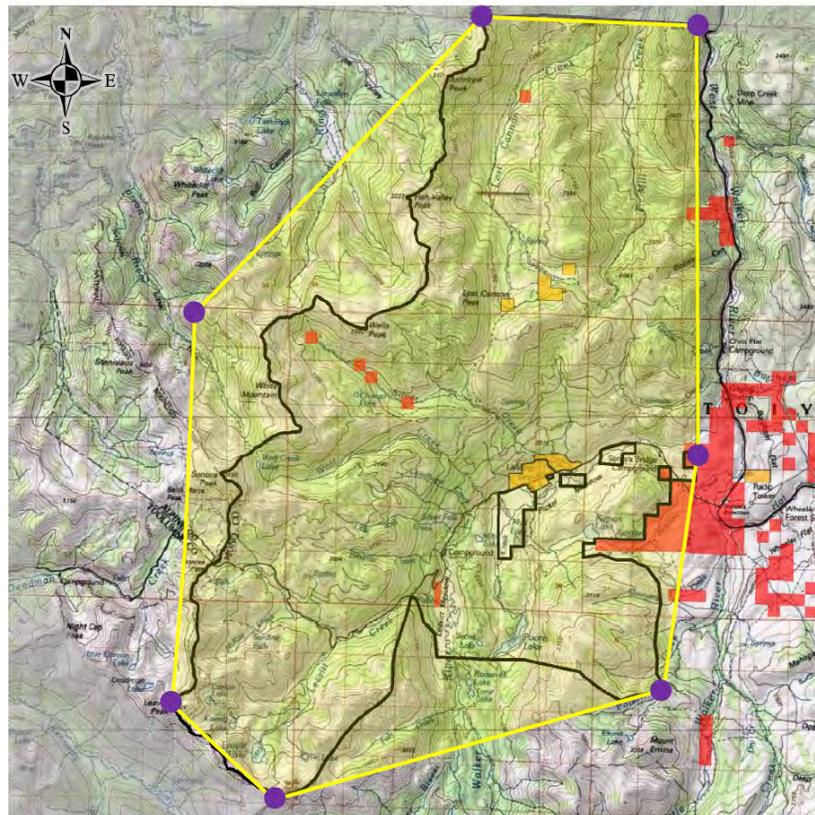




USMC Proposed Airspace in the WRP



Walker Low MOA Proposal Update Primary



Description:

- SFC – 13,500 ft MSL
 - “Excluding that airspace up to and including 3,000 ft AGL over wilderness areas.”
 - JO 7400.8S
- Improves standoff from LZs
- Operationally covers all aircraft operations with the exception of Fighter/Tanker aircraft
 - Greatly reduces the amount of days required to activate the Walker High MOA

Legend:

- Proposed Point
- Proposed Area
- USMC Land within MOA
- Private Land within MOA
- Private Land VIC MOA



***Marine Corps Installations West
Marine Corps Base Camp Pendleton***



- Questions

Headquarters U.S. Air Force

Integrity - Service - Excellence

USAF Perspectives on Airspace



**Lt Col Lenore Marentette
AFREP to the FAA Western Service Area
18 April 2018**

U.S. AIR FORCE



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Topics of Discussion

- **DoD's role in the National Airspace System (NAS)**
- **Air Force Representatives (AFREPs) role**
- **Strategic Airspace Action Process (SAAP) Challenges**
- **RSOP (Regional SUA Optimization) Concept**
- **Other Current Issues**



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DoD's Role in the NAS

- **FAA manages the NAS on behalf of the public**
 - **Federal Aviation Act of 1958**
- **Portions of the NAS delegated to DoD air traffic control facilities**
 - **DoD-FAA MOU July 1969**
- **Special Use Airspace (SUA) released to DoD during specified times for military operations**
 - **FAA Order 7610.4, Special Military Operations**

DoD is both a service provider to--and the largest user of--the NAS



Military Representatives to the FAA

U.S. AIR FORCE





AFREP Responsibilities

U.S. AIR FORCE

Strategic

Visible Presence to
FAA

SAAP for
New/Expanded
SUA

Interagency
Forums

Operational

Conflict Mediation
Airspace Usage
Issues
NAVAID Decomm
Requests
MRU Evaluations
Misc Inquiries

Tactical

Civil UAS COAs
FLIP Changes
Pilot Deviations
Civil IFP Changes
HATRs
Noise Complaints

Permanent and Regional USAF – FAA Interface



USAF Units in WSA

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- ★ Western Service Center
- Region HQs
- ARTCCs

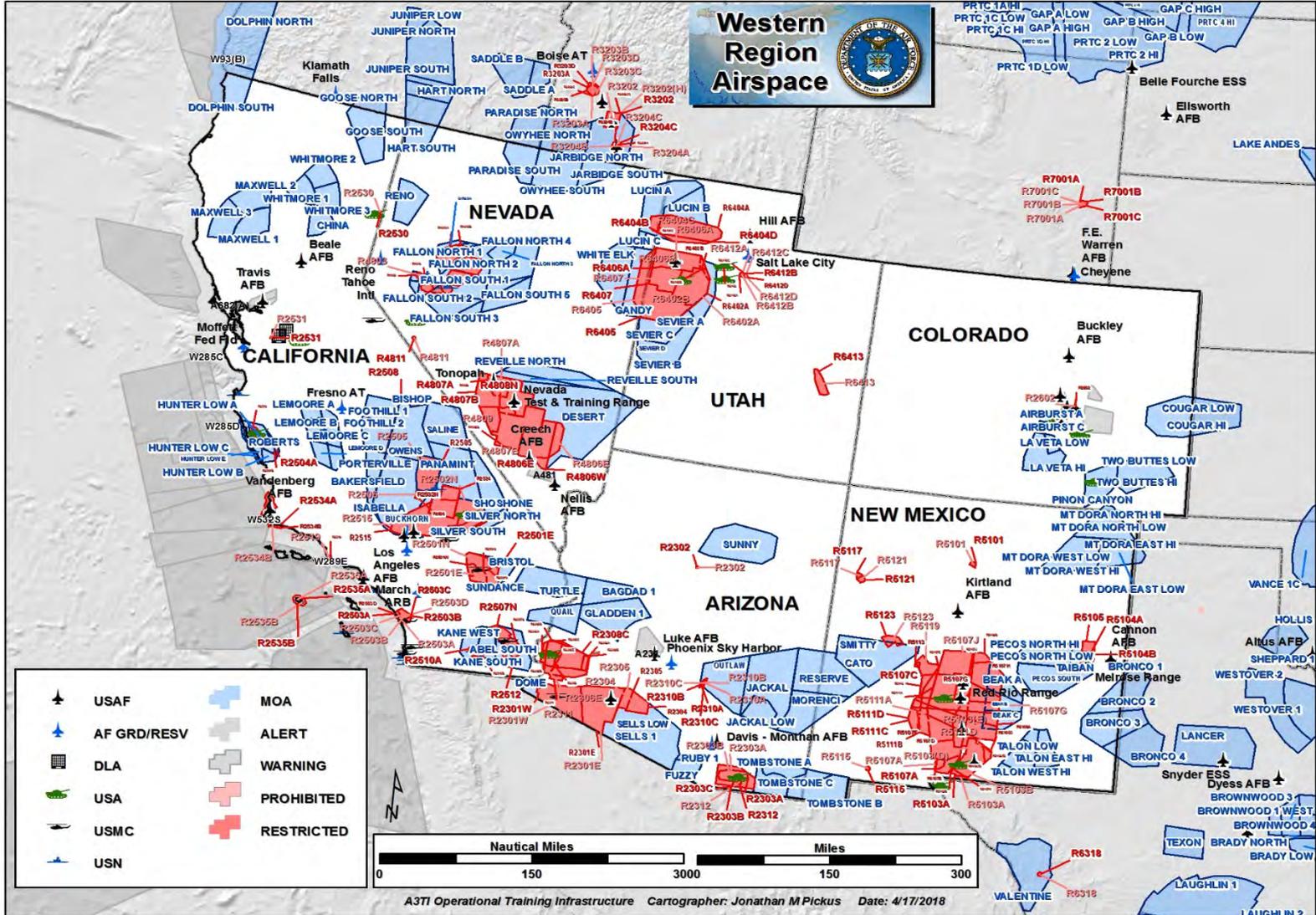
- AF/ANG/AFRES Bases
- ★ AF/ANG/AFRES Wings
- Other Units

Integrity - Service - Excellence



DoD SUA in WRP States

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USAF SUA Challenges

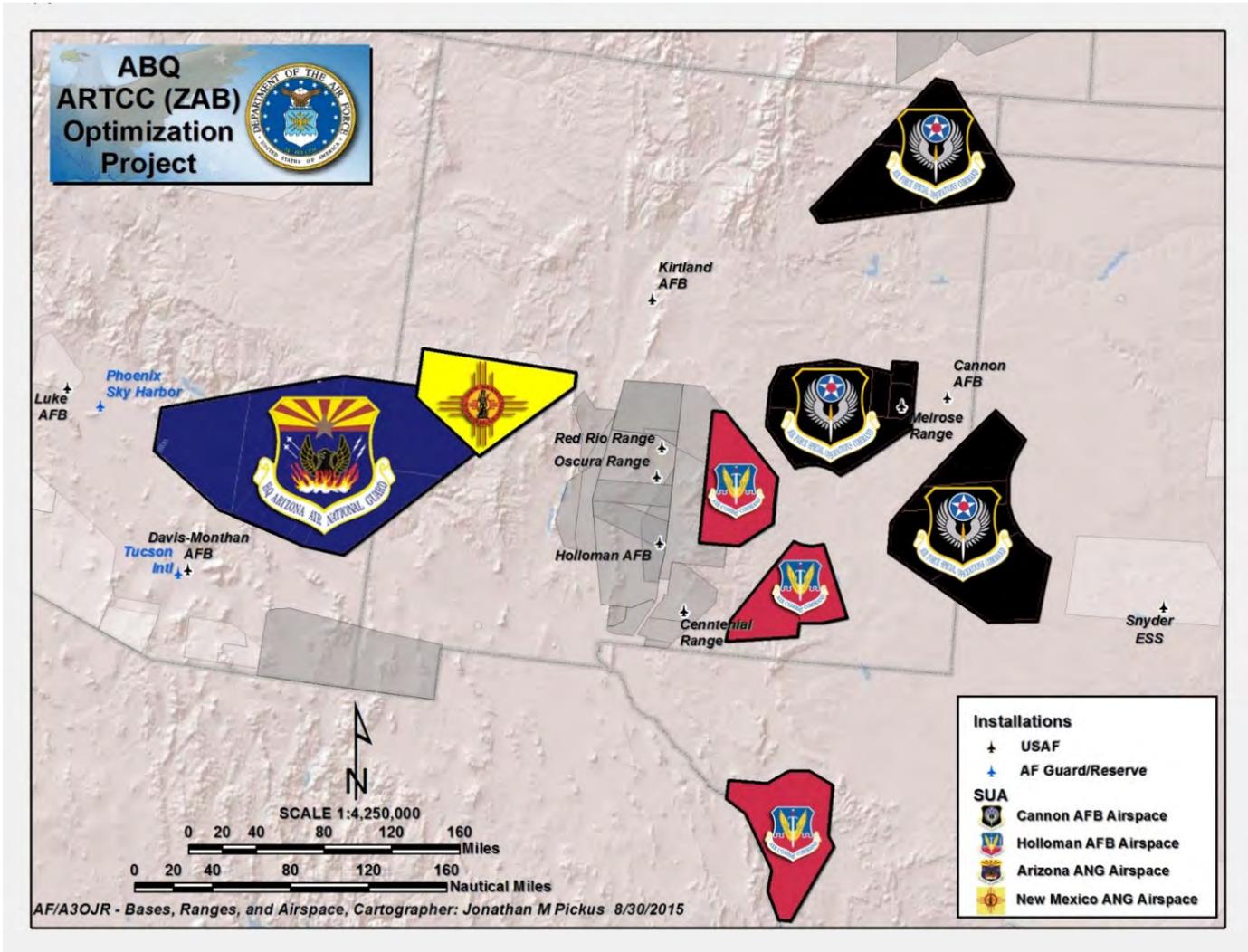
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- **Evolving military requirements for airspace**
 - **Volume of airspace**
 - **Integration with virtual/constructive training assets**
- **Lengthy airspace proposal process**
 - **Lack of continuity across project timeline**
 - **Evolution of the surrounding airspace**
- **Centralization of MAJCOM NEPA offices to AF Civil Engineering Center (AFCEC)**



Regional SUA Optimization Plan (RSOP)--NM

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Other Current Issues

- **Accurate and useful reporting of SUA utilization**
 - **FY18 will be USAF's first year reporting under Center Scheduling Enterprise (CSE) program**
- **GPS Testing**
 - **Increased military requirement coincides with increased civil dependence**
- **UAS TFRs over military installations**
 - **Procedures for authorizing locally sponsored participants**
- **Requests for commercial UAS ops in military-controlled airspace**
 - **Current process is unwieldy; looking for ways to streamline**



U.S. AIR FORCE

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BACKUP SLIDES



U.S. AIR FORCE

- Overview of Department of Defense aviation mission, including types of aircraft currently flying and their roles in test and evaluation (T&E); training; and operations.
-
- Why the southwest region provides a unique environment to conduct their mission.
-
- DoD Special Use airspace (type/mission): Restricted Areas (RAs),
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- Military Operations Areas (MOAs), and Military Training Routes (MTRs).
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- out its flying mission and what the military can do to manage encroachment
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