



UNCLASSIFIED



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DoD Spectrum

Range Commanders Council Perspective

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412 TW Mission, Vision & Priorities



412 TW MISSION

World Class Test and Evaluate for the Warfighter.

412 TW VISION

The Center of the Aerospace Testing Universe... Agile,
Ready, and Right.

412 TW PRIORITIES

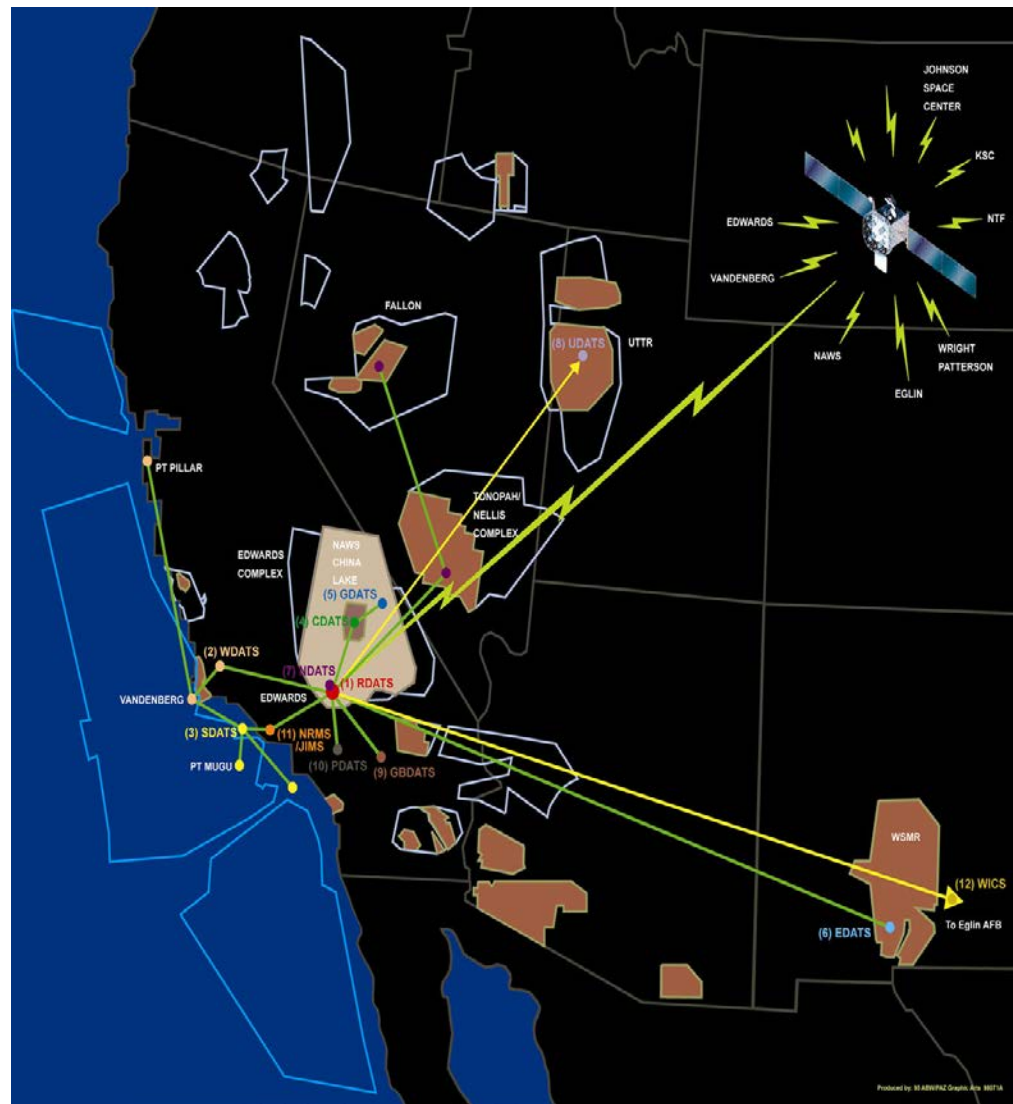
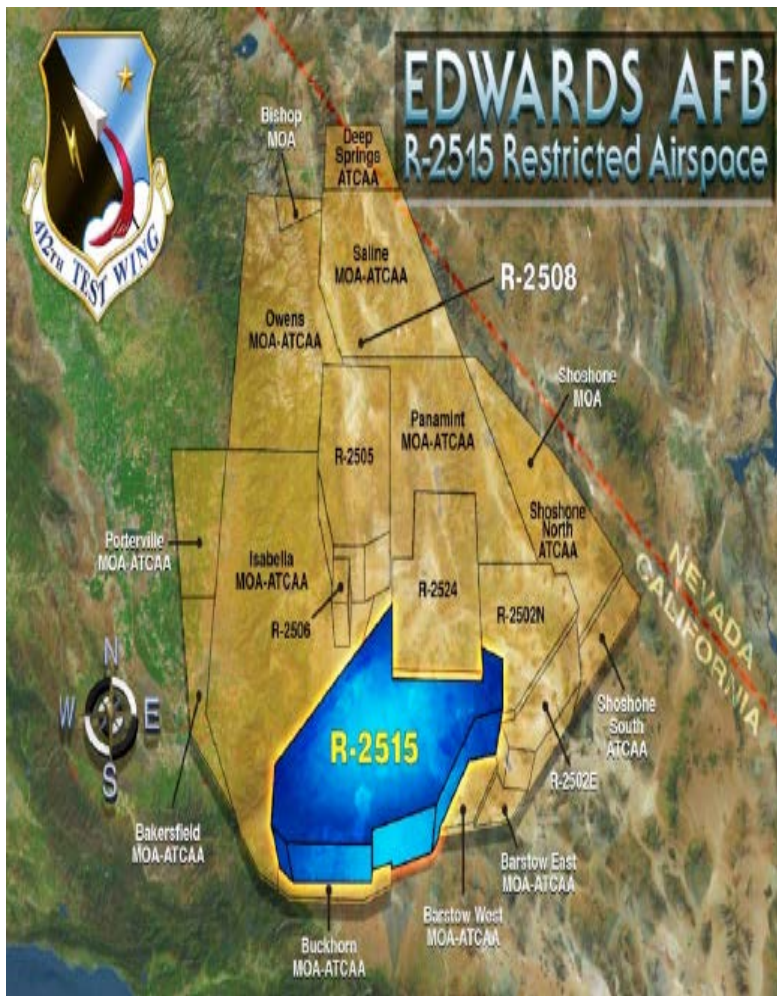
Safety, Effectively and Flexibly Execute the Mission.

Develop and Care for Airmen and Their Families.

Innovate for Tomorrow's Missions



412 TW Range and Operating Locations





Support test and evaluation of weapons systems to ensure war-winning combat capabilities



Global Power



Global Reach



Global Vigilance





Telemetry In Flight Test



- Required for the transmission of real-time data from a test vehicle to ground
- Allows testers to conduct safe, effective and efficient flight tests by displaying and analyzing data in real time
- Telemetry Spectrum
 - L-band/S-band/C-band
- Not considered a major system
 - Infrastructure



412 TW EAFB Spectrum Management



- Plan, provide, and preserve access to the electromagnetic spectrum for the 412 TW so that testing and evaluation of weapons systems to ensure war-winning combat capabilities continues.
 - Directly provides electromagnetic spectrum management control
 - Maintains direct liaison other DoD entities and others requiring AF spectrum support.
 - Plans and coordinates RDTE and OTE spectrum requirements
 - Resolves all spectrum conflicts for all systems utilizing the electromagnetic spectrum
 - Interprets DoD, NTIA, FCC and other government directives as to their impact to 412TW spectrum requirements
 - Is the 412 TW Range Commanders Council Frequency Management Group (RCC FMG) representative



412 TW Spectrum Encroachment



- **Wireless Communications Systems (WCS)**
 - 2305-2320 and 2345-2360 MHz
- **Advanced Wireless Service (AWS) 3**
 - 1695-1710 MHz, 1755-1780 MHz, and 2155-2180 MHz
- **Wireless Technologies**
 - Commercial Off the Shelf (COTS)
- **Global Position Systems (GPS)**
 - Increase reliance/dependence
- **Drones**
 - Small Unmanned Aerial Systems



Ultimate Objective

- Education and understanding what our requirements are despite what agency we represent
- Leverage lessons learned and share that information
- Keep all lines of communications open so we can all successfully continue to do our jobs
- Sharing is the new paradigm shift when it comes to spectrum management

MORE WITH LESS



Thank You

Assured Spectrum Access for the Warfighter



U.S. AIR FORCE

REPORT DOCUMENTATION PAGE

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