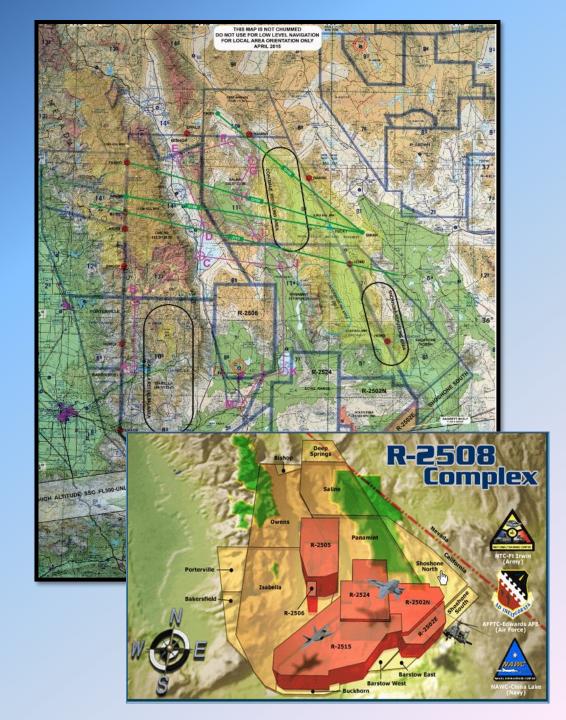


# R-2508 Annual Tanker Briefing 20 March 2018

## **WELCOME!**

- Airspace Layout
- Concept of Operations
- Overflight Restrictions
- Low level Procedures
- Standard Op Procedures
- Special Activities/Areas
- Scheduling/Flt Plans
- SITREPS
- On Line Info







#### **Restricted Areas:**

Schedule R-2508 with CCF

• Schedule Internal Restricted Areas with Using Agency and CCF To Transit MOA/ATCAA Airspace

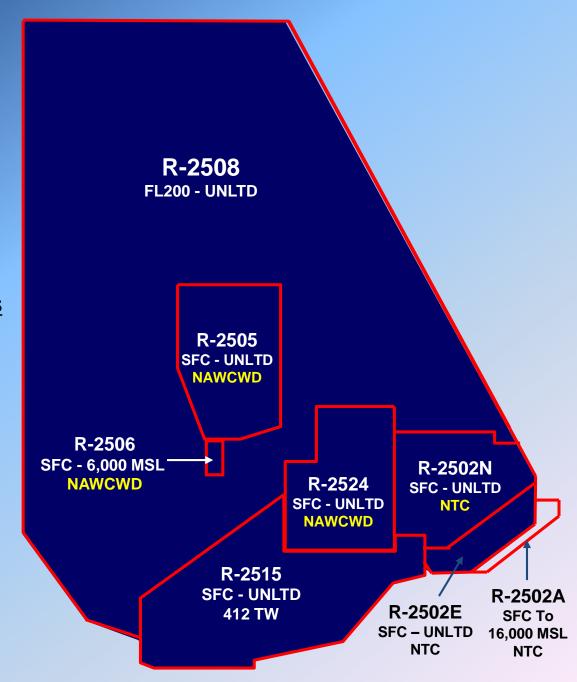
#### **Using Agencies:**

R-2505, R-2506, R-2524: NAWCWD

R-2515: 412TW

R-2502N, R2502E, R-2502A: NTC







## **MOA & ATCAA Airspace**

Military Operations Areas & Air Traffic Control Assigned Airspace

#### **JOSHUA APPROACH**

#### **Frequencies:**

**Joshua Primary ATC: 348.7/133.65** 

Isabella: 335.6/134.05

Owens: 322.3/126.55

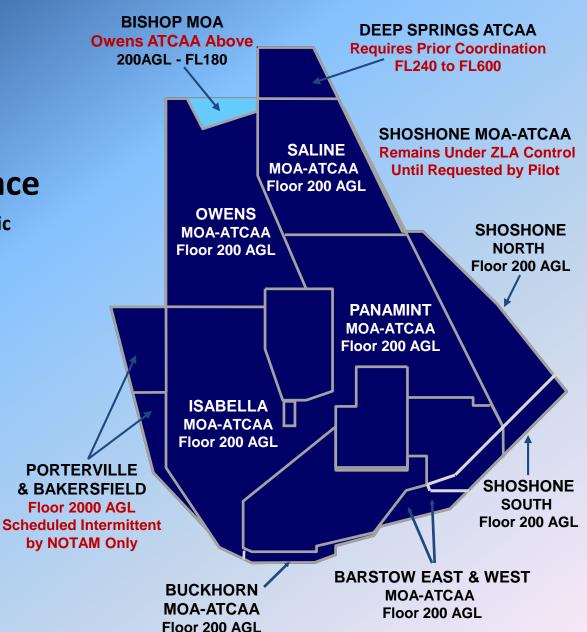
Saline: 256.8/123.95

Panamint: 291.6/120.25











# **Concept of Operations**

When the SUA is Activated

- VFR
- See and Avoid
- Non-Exclusive Use
  - Transponder Mode C
  - Accept Advisory Service
  - Active vs. Inactive Monitoring











#### **IFR Procedures**

Not Authorized when SUA is Active

What to do if you encounter an IMC Condition...

- Advise Joshua Approach
- Expect IFR Clearance
  - On Top or Vectors to VMC
  - IFR Separation applied between IFR Aircraft only











R-2508 Annual Tanker Briefing







- Joshua Control Facility, "Joshua Approach"
  - -Traffic & boundary advisories, mission support
  - VFR and IFR Services as applicable within MOAs, ATCAAs, R-2508, and Released Internal Restricted Areas
- China Control & SPORT MRU's
  - -Traffic & boundary calls and mission support services for China Lake (R-2505, R-2506 & R-2524)
  - Edwards (R-2515 Barstow & Buckhorn MOA/ATCAA)
- Desert Radio, Airspace Information Center
   -Mission support in R-2502N, R-2502E & R-2502A









# **Check in Procedures & Situational Awareness**



- Receive Clearance: Contact Joshua Approach prior to Complex entry and exit. Initial contact shall include a request for a Complex Clearance and Altitudes.
- Provide SA to ATC: During check-in, pilots should state their intentions and planned work area using plain language.
- <u>Receive SA from ATC</u>: Joshua Approach should respond with Work Area Clearance, relevant Traffic Information, and, workload permitting, work area saturation information.
- <u>ATC traffic calls</u> are based on observed aircraft positions, headings, altitudes and radar limitations. Rapid changes in heading or altitude may not be observed by ATC in time for the information to be issued in a timely manner. Aircrews are encouraged to Alert ATC when conducting rapid heading and/or altitude changes.



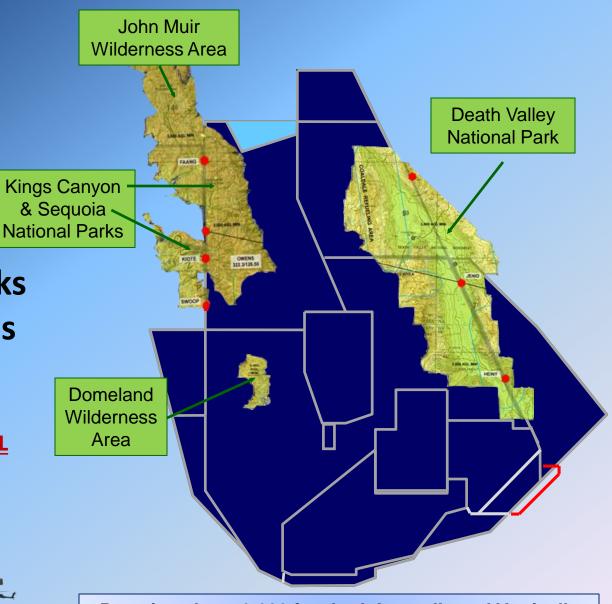


# Overflight Restrictions of Parks & Wilderness Areas

Floor of MOA over National Parks and Wilderness Areas Published Altitude: 3,000 AGL

- FLIP AP1 California
- FAA JO 7400.8





Remain at least 3,000 feet both Laterally and Vertically from National Parks and Wilderness Areas...
3,000 feet from Canyon Walls and Saddles







- Sequoia and Kings Canyon National Parks (SEKI)
  - All participating aircrews maintain an altitude of 18,000 feet or above over SEKI <u>unless specifically scheduled lower</u> <u>through CCF</u>.
    - Annotate "SEKI" in Remarks Section of R-2508 Complex Airspace request Form.
  - Unscheduled operations below FL180 over SEKI are authorized only for safety of flight considerations.
  - At no time will any participating aircraft descend below 3,000 feet AGL within the boundaries of SEKI except in an emergency situation. Lateral separation from SEKI is 3000 feet.



# Temporary FlightRestrictions (TFRs)

- Land Management Activity
- Fire-fighting Support ACFT

SMOKE FROM FIRES STAY

AWAY!

**Check NOTAMS Prior to Step Check R-2508 Daily Brief Sheet** 





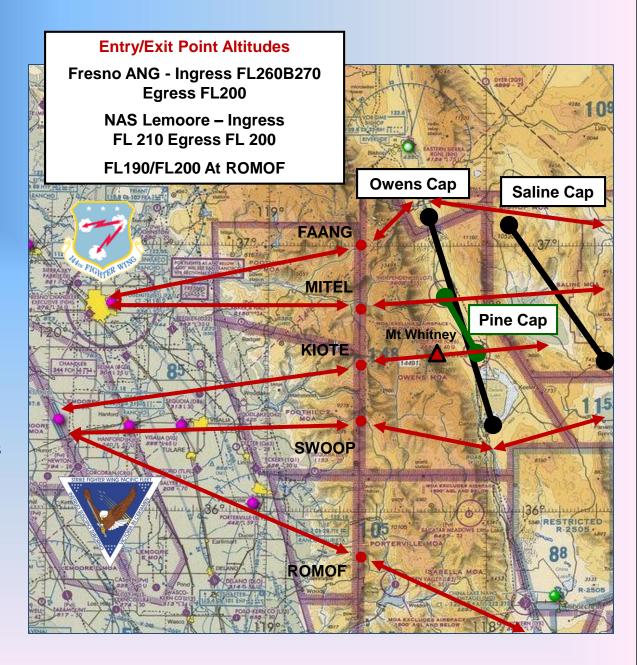


**NAS Lemoore/Fresno ANG** 

## **Ingress/Egress Routes**

- NAS Lemoore
  - Entry/Exit via KIOTE & SWOOP
  - Entry/Exit via ROMOF for Superior Valley at FL190/200 to avoid Isabella AR (ARISB)
- Fresno ANG
  - Entry/Exit via FAANG & MITEL
  - Use FAANG to avoid Cap Points when active
- Other Uses
  - Be aware of heavy East/West traffic flow across Owen Valley
  - Avoid Mt Whitney area







## **Green Flag West**

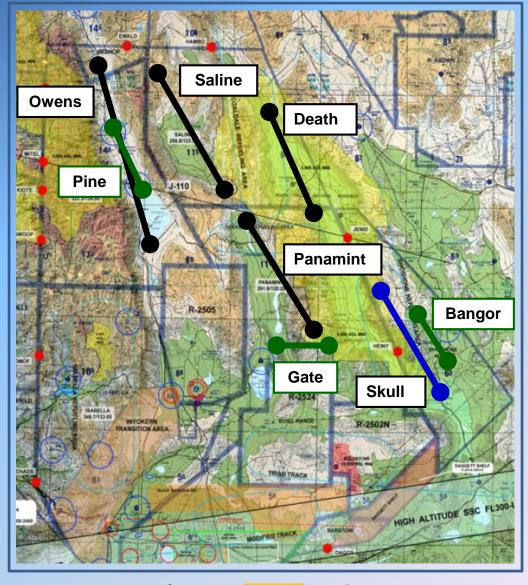
- IFR Departure Routing... via FYTTR..BTY 100/30..TUCKY
- IFR RTB Routing... via TUCKY..BTY 100/30...STRYK
- LSV VFR Departure Routing FYTTR..Eagle Mountain
- LSV VFR RTB Routing Eagle Mountain...JAYSN...STRYK
- Refueling Area LINUS (ARLNS) 22K'
- Lone Pine CAS Orbit Hold at 21K' then operate 20K' to 200 AGL in Owens MOA/ATCAA





#### **Caps Points**

- Used for staging and mission deconfliction.
- Aircraft transiting across working areas shall avoid aircraft actively conducting test or training whenever possible.
- NAS Lemoore SFWP
  - Owens, Saline, Death, Panamint
- LSV Green Flag West
  - Pine, Gate, Bangor
- 412 Test Wing
  - Skull





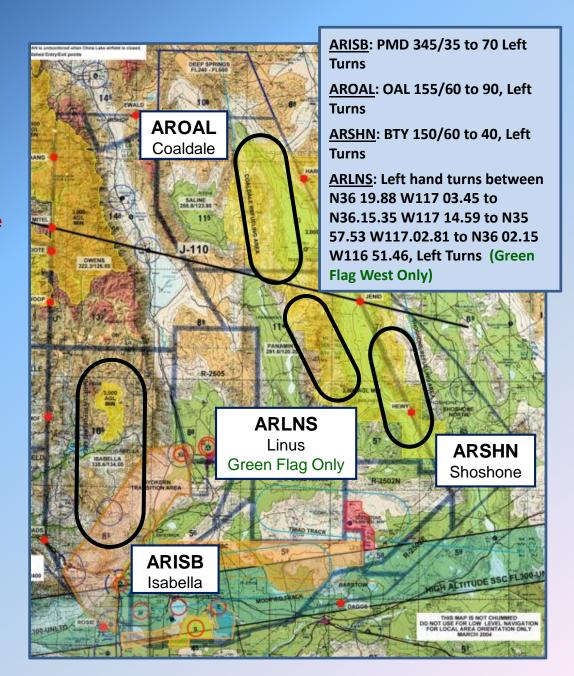


#### **Air-Refueling Operations:**

- Refueling areas NOT exclusive-use airspace and NOT PROTECTED from other Complex aircraft operating in the area.
- Avoid observed tanking operations by a minimum of 2,000 feet vertically and 5 miles laterally.
- Standard ARISB Alt Blocks:
   FL210B230 / FL240B260 / FL270B290
- Tanker discrete squawks:
   0051-0057 (assigned by SPORT)
   5253-5257 (assigned by JOSHUA)
- 412 TW assigned/sponsored TNKRS:

Mode 1: Squawk 02 Mode 2: Squawk 7210







# **Special Activity Areas...**Weather Areas

Area 1: Eastern Half of R-2515 Divided by Highway 395

Western Half of R-2515 Divided by Highway 395

Area 3: Isabella MOA/ATCAA West of the PMD 330° Radial

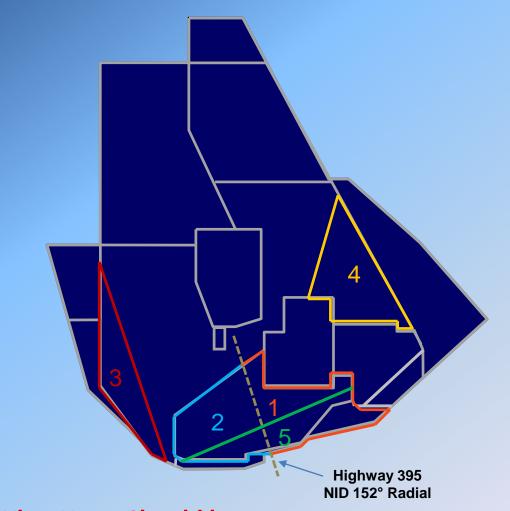
Area 4: Panamint MOA/ATCAA East of the BTY 182° Radial

Area 5: R-2515 South of the FIM 049°
Radial & Barstow MOA/ATCAA









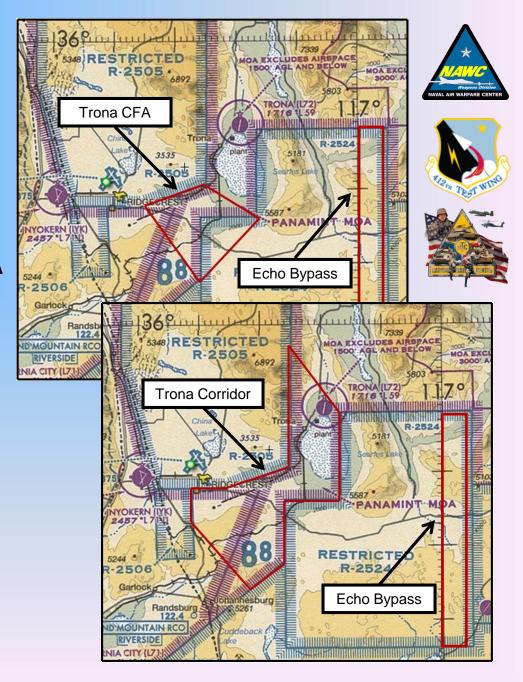
#### What Users Should know...

- WX Areas exist in the Southern Portion of the Complex
- WX Areas are Released to ZLA for Air Carrier WX Avoidance
- Joshua/SPORT will keep users updated on areas activated
- If you're unfamiliar with WX Area locations advise Joshua or SPORT and request assistance in WX Area avoidance.



### **Special Activity Areas**

- Trona Controlled Firing Area CFA
- Altitudes: 3,000 AGL to 20,000 MSL
- Trona Corridor
- Altitudes: 20,000' MSL to Infinity
- Used to Protect Path of Free Flight
  Weapons Across Trona Gap
- May Be Used in Conjunction
- Echo Bypass may be available for transitions



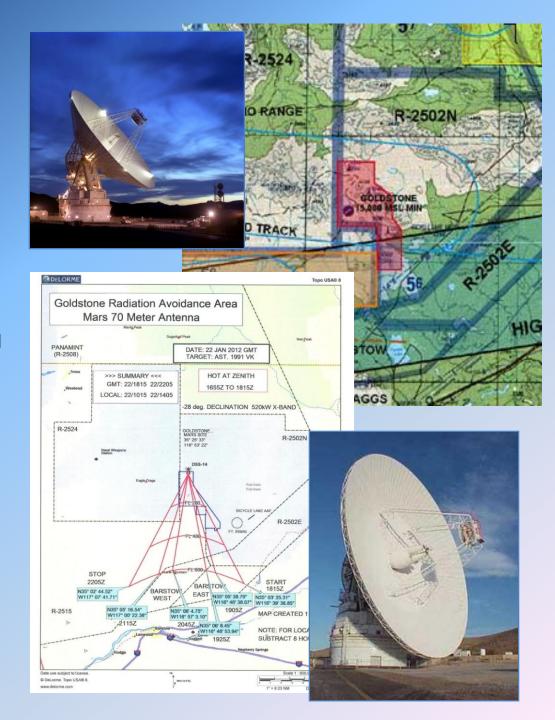


# **Special Activity Areas**

#### **NASA Goldstone Facility**

- Overflight Restriction
  - 10,000 MSL or Higher as Scheduled
  - Goldstone provides ATC/MRU with radiation map to identify affected area, altitudes, and times when 70 meter dish is radiating
- Joshua, SPORT, China Control and Desert Radio will advise Users of Affected Areas

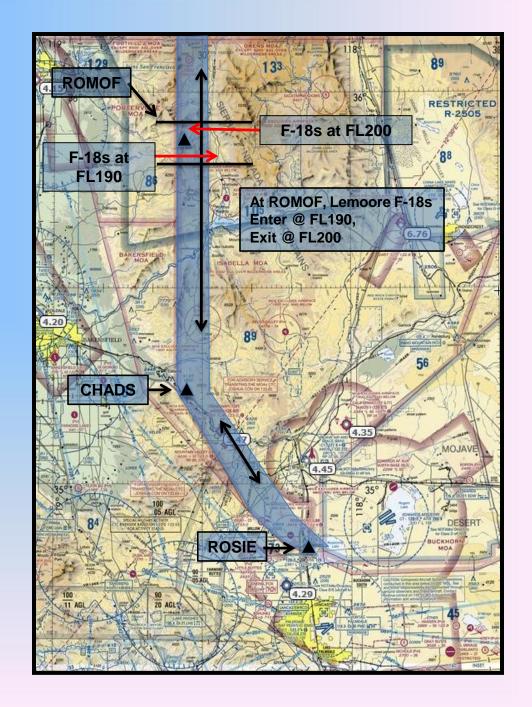






#### **Dragon Transition (DT)**

- Suggested route for U-2/ER-2s transiting Isabella
  - De-conflicts U-2/ER-2s from refueling ops
- When feasible, not mandatory, during AR ISB ops
- Dimensions:
  - Oriented N-S, 5 miles wide, 74 miles long
- Caution:
- DT traffic will remain at or above FL210 or at or below FL180 within 5 miles of ROMOF
- NOTE: The DT does not provide separtion from other traffic. R-2508 is non-exclusive use, VFR, and See and Avoid.





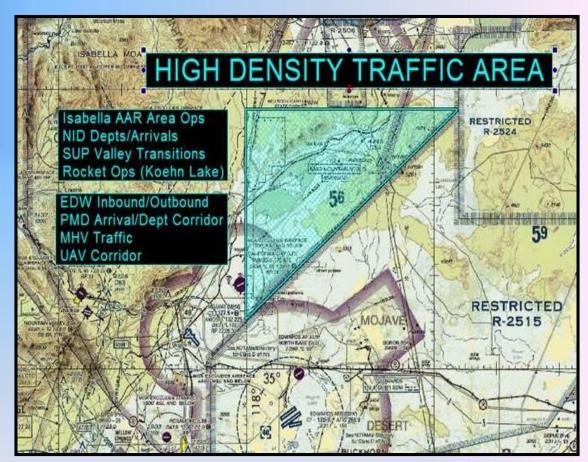
#### **High Density Traffic Area**

- Defined by: 118 line on west, extended southern boundary of R-2506 on north, boundary of R-2515 on southeast
- Confluence of large variety of activities, missions, platforms
- Majority of Incident Reports occur in this area
- Aircrews should expect numerous traffic calls and request updates as needed







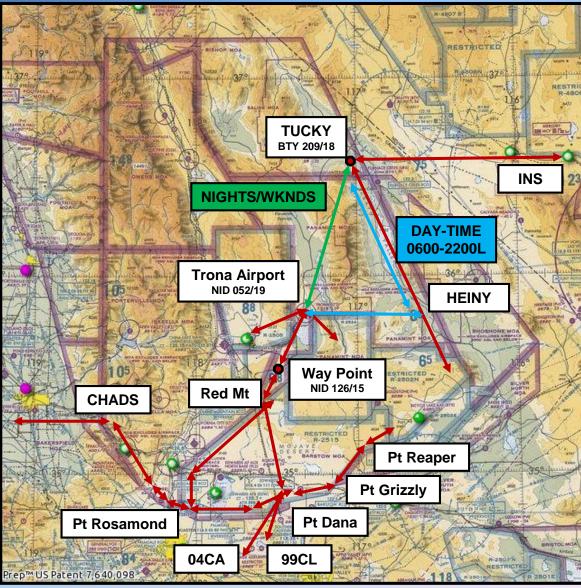




#### **UAS/RPA Transition Routes**

- All Transitions flown at FL190 or FL200 Correct Alt/Direction of Flt
- GREEN RTE: Authorized only after normal flying complete Mon-Fri, weekends, or FL400 and above.
- BLUE RTE: For use during normal
   Flt Ops Mon-Fri
- R-2505 R-2524 Transitions:
- Authorized directly across Trona Corridor (no loitering)
- Min Alt: FL180
- Mode 3 & ATC com required







#### **R-2508 Complex Daily Brief Sheet**

- What's going on the next day
- Link 16 & SADL Status Advisories
- AAR Activity/UAS Transitions
- TFRs/LFEs/small UAS Activity
- Unusual/Special Operations
- Future Operations







# R-2508 COMPLEX DAILY BRIEF SHEET DOES NOT INCLUDE ACTIVITIES SCHEDULED WITHIN

INTERNAL RESTRICTED AREAS R-2508 Website http://www.edwards.af.mil/r-2508.asp

#### 1-2-3 FEBRUARY 2014

Edwards US	LINK 16 and SADL STATUS 3 FEB 14	
Link 16: Operational	Edwards Allied Link 16: Operational	Rogers Peak US Link 16: Down
nail: 412tw iice Cordination &	After Hours Requests: DSN: 525- f.mil. Operating Hours: M-F 0800	No.

#### SCHEDULED REFUELING OPERATIONS

DATE/TIME (Z)		20.10		
011745Z - 012000Z	AREA	ALTITUDES FL180 - FL210	UNIT	

#### SPECIAL ACTIVITIES/OPERATIONS

#### AMATEUR ROCKET LAUNCHES

Multiple unmanned rocket launches on Saturday, February 1st. Launch operations are from 8:00 am to 5:00 pm PST (1600Z to 0100Z), to a maximum altitude of 30,000 feet MSL. The launch location is North-East of Koehn Dry Lake, Edwards VOR EDW 336° Radial 23 NM (EDW336023), Latitude 35° 21' 12" North, Longitude 117° 48' 25.80" West, and 3 nautical mile radius.

#### FUTURE OPERATIONS



#### \*\* INDICATES CHANGES

For more detailed information concerning any of the above information, contact the R-2508 Central Coordinating Facility at DSN: 527-2508, COMM: (661) 277-2508.

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R-2508 COMPLEX DAI

R-2508 Complex ALTITUDE

050300Z - 050445Z 110130Z - 110315Z

120130Z - 120315Z 130130Z - 130330Z

R-2508 Website http://www.ec

LARGE FORCE E

		CALLSION		
T	ALTITUDE	RETURN	ALTITUDE FL190	REAPER I
CREECH TO 02N	FL200	040200Z-040230Z	FL190	GRIM 1
031730Z-031800Z	FL200	040500Z-040530Z	FL190	REAPER 1
031530Z-031600Z	FL200	050200Z-050230Z 050500Z-050530Z	FL190	REAPER
041730Z-041800Z	FL200	050500Z-050330Z 060200Z-060230Z	FL190	GRIM 1
041530Z-041600Z 051730Z-051800Z	FL200	060500Z-060530Z	FL190	GRIST.

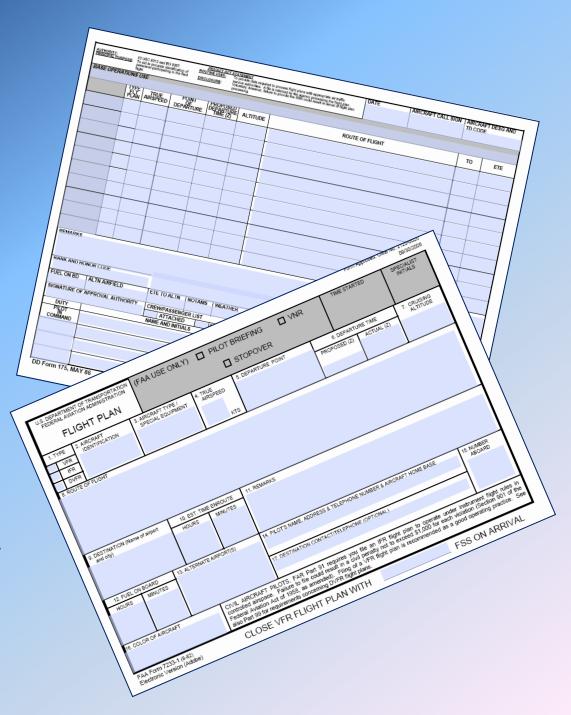
For more detailed information concerning any of the above information, contact the ror more detailed information concerning any of the above information, confact in R-2508 Central Coordinating Facility at DSN; 527-2508, COMM; (661) 277-2508.



# **IFR Flight Planning**

- Flight Plans should be filed with 2 separate legs...
- Leg 1: Departure point, route of flight, R-2508 entry point, R-2508 as destination.
- Leg 2: R-2508, R-2508 exit point, flight route, destination airport/fix
- Do not file a delay in the Complex
- Filing a delay may result in the loss of the second half of your flight plan
- May result in extensive delay in receiving IFR Clearance out of area



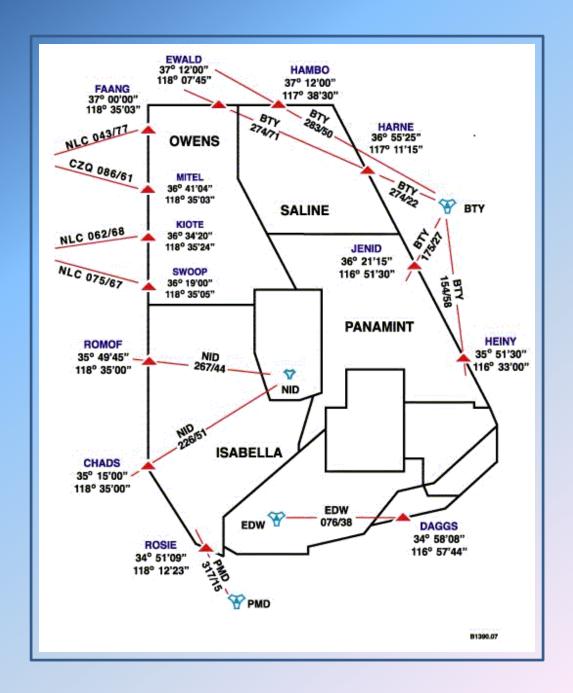




# **Entry/Exit Points Flight Plan Entries...**

- Use Complex entry/exit points during flight planning to alert Joshua/Center of your intentions.
- FAANG/MITEL/KIOTE/SWOOP
  ROSIE/DAGGS can be filed by name
  (others by coords or RAD/DME)
- \*NID TACAN is unmonitored when China Lake airfield is closed.





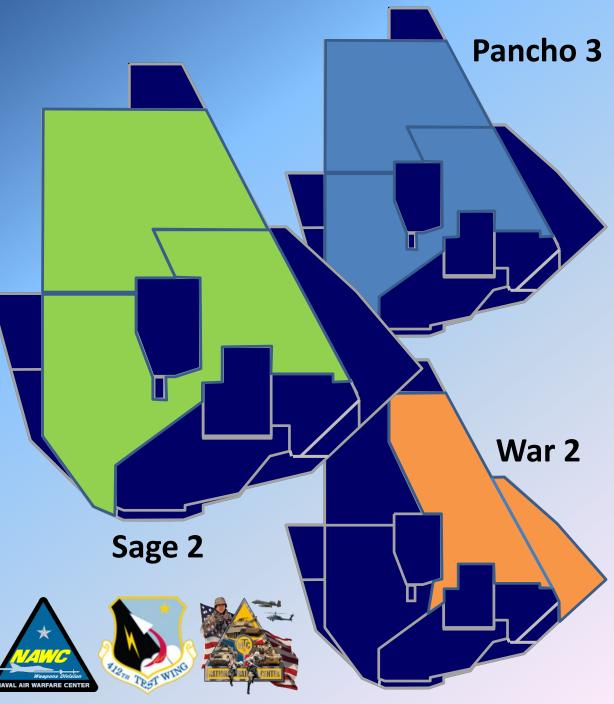


#### **Complex Clearances**

**SAGE 2**: Isabella, Owens, Saline, and Panamint, FL290 and below.

PANCHO 3: Clearance to operate within Isabella and Panamint work areas at and below FL500, and Owens and Saline work areas at and below FL290... Only EDW, NID, PMD, and NLC based aircraft are authorized a PANCHO 3.

WAR 2 Clearance: Clearance to operate in the Saline and Panamint Work Areas at and below FL290, Shoshone MOA, and Shoshone North and South ATCAA's at and belowFL230.





# R-2508 Scheduling

**CCF Office Hours** - Monday thru Friday 0600-1800L, excluding holidays

- Schedule NLT 1600L Day Prior
- Schedule NLT 1600L Friday for Weekend Operations
- After hours schedule changes: Call CCF
   After Hours Number 1-866-805-2851
- Include internal restricted areas scheduled with applicable Using Agency







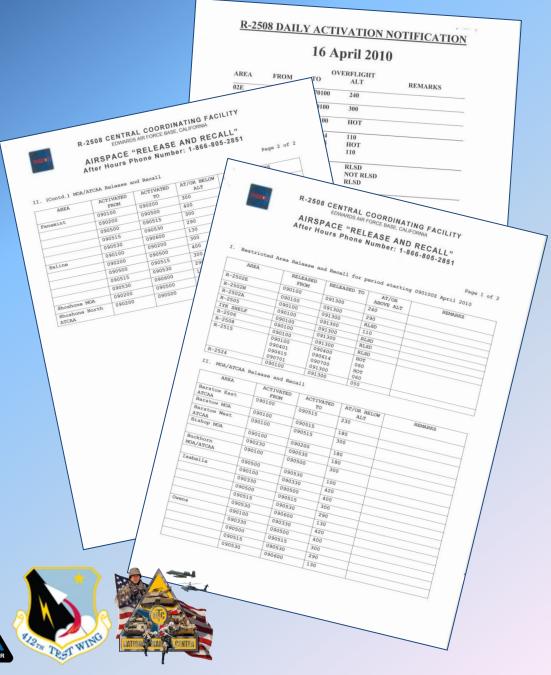
# **Scheduling**

Why CCF Needs your Airspace Request Form NLT 1600L Day Prior (Friday for Weekends)

Airspace Activation, Release and Recall Information is sent to Los Angeles Center NLT 1700L

Off Station Users "Must be briefed & schedule R-2508 through CCF"

Late scheduling could result in Mission Loss or Delay



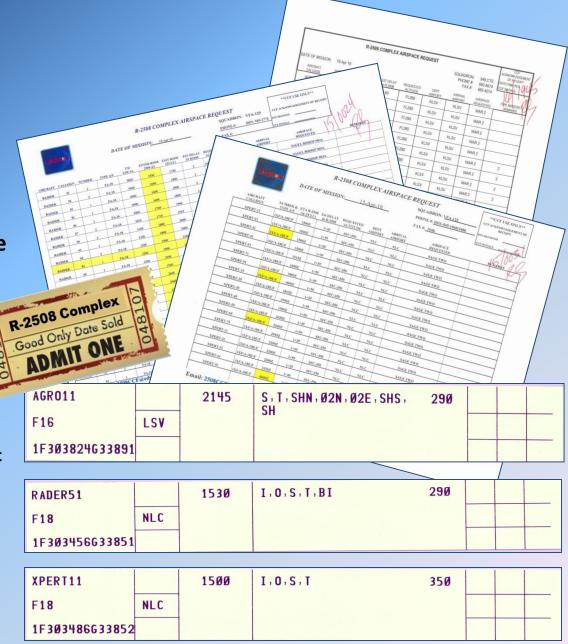


# **Scheduling**

 Scheduling data used to Generate ATC Flight Plan Information and Flight Progress Strip for Joshua

- Flight Strip is **Your Ticket** for entry into the Complex
- Use R-2508 Complex Airspace Request Form and Submit via Email (no fax please)
- Units will receive return acknowledgement
- Changes to received schedules MUST be called in, emailed to CCF





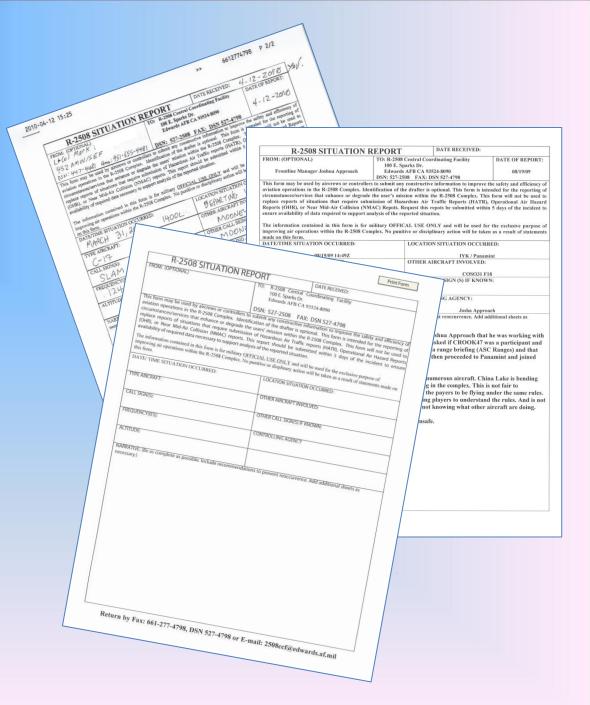


# **SITREP**

(R-2508 Situation Report)

- Official Communication
- Official Response
- Don't wait too long...





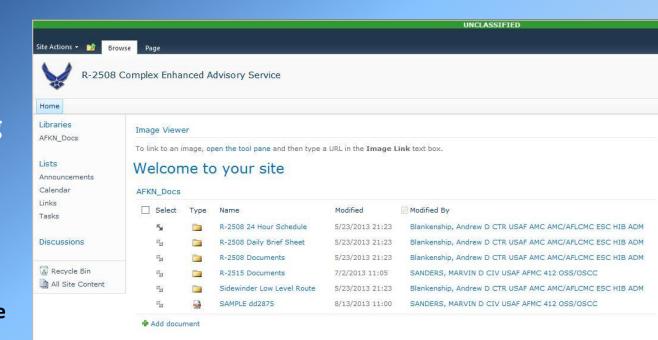


#### What's Available

## Online...

- R-2508 Daily Flying Schedule posted online Monday Thru Friday at 0700L
- Includes Work Areas and Mission Profiles as provided on R-2508 Airspace Request Form
- Access requires .mil email address and CAC log on





# AFNET EIS SharePoint Account for CCF Online Information - 24 Hour Schedule & Daily Brief Sheet:

#### https://USAF.DPS.MIL/TEAMS/12162

Non-USAF agencies must setup an AFNET EIS Sharepoint Account.

- Contact the 412th OSS IAO at DSN: 525-4269 or COMM: (661) 525-4269.
- Requirements: A current Information Awareness training certificate
- Complete DD Form 2875.

Privacy Notice | WFE005



#### What's Available

## Online...

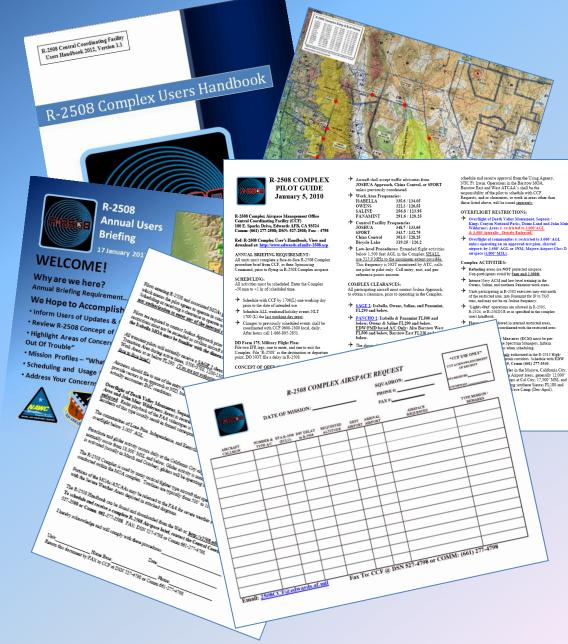
- Users Handbook
- This Briefing
- Airspace Request Form
- Situation Report (SITREP)
- Pilot Guide & Map
- NID Transient Pilot Brief
- Where?

http://www.edwards.af.mil/Home/R-2508











#### **R-2508 Central Coordinating Facility**



# **Questions?**

- Co-Located with Joshua Approach
- Here to Support your Operations
  - DSN 527-2508 or Commercial 661-277-2508
  - <u>2508ccf@us.af.mil</u>
  - Online Information
    - http://www.edwards.af.mil/Home/R-2508
    - http://USAF.DPS.MIL/TEAMS/12162

