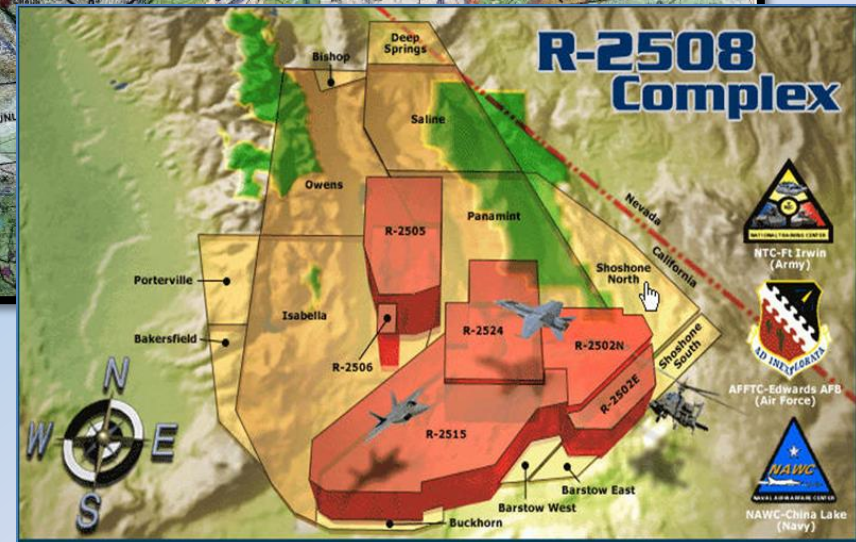
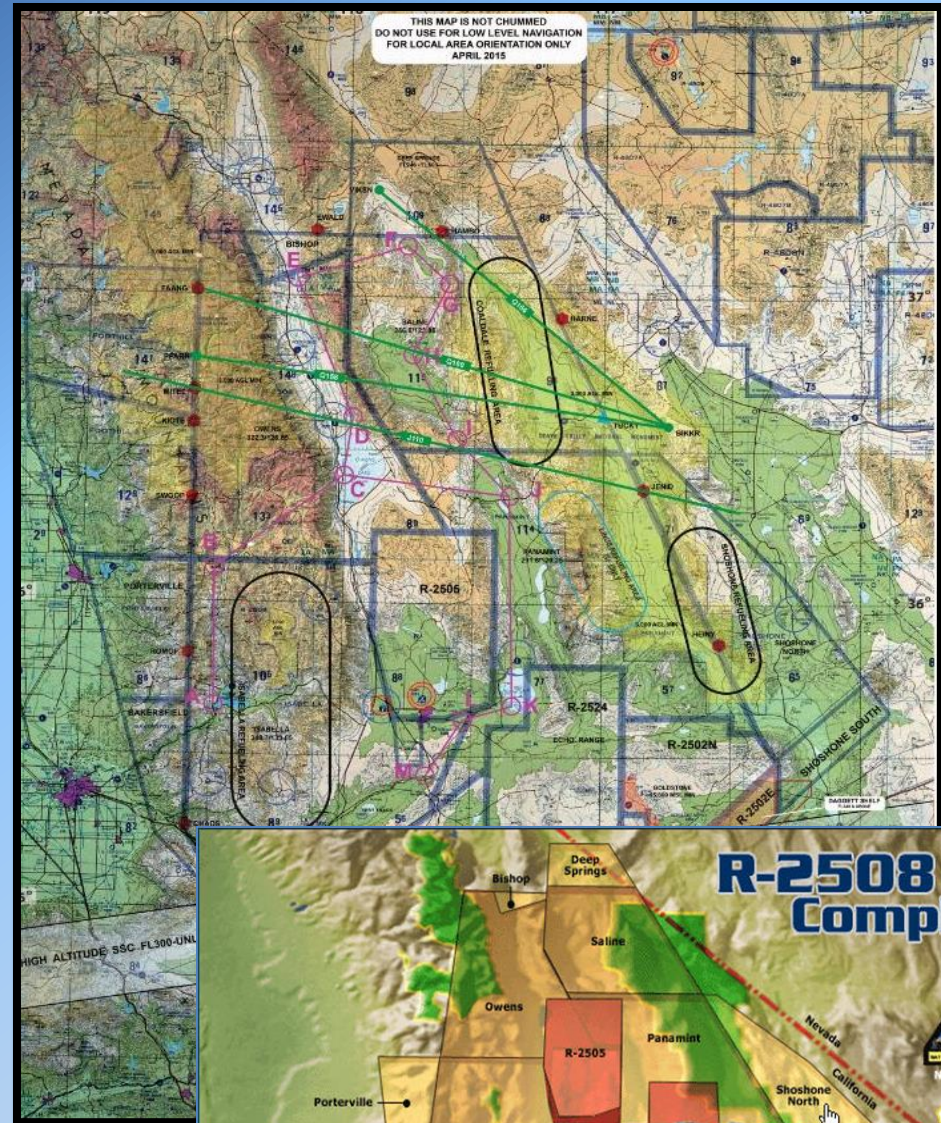




# R-2508 Annual User's Briefing 20 March 2019

## WELCOME!

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





# R-2508 Annual Users Briefing

## Restricted Areas:

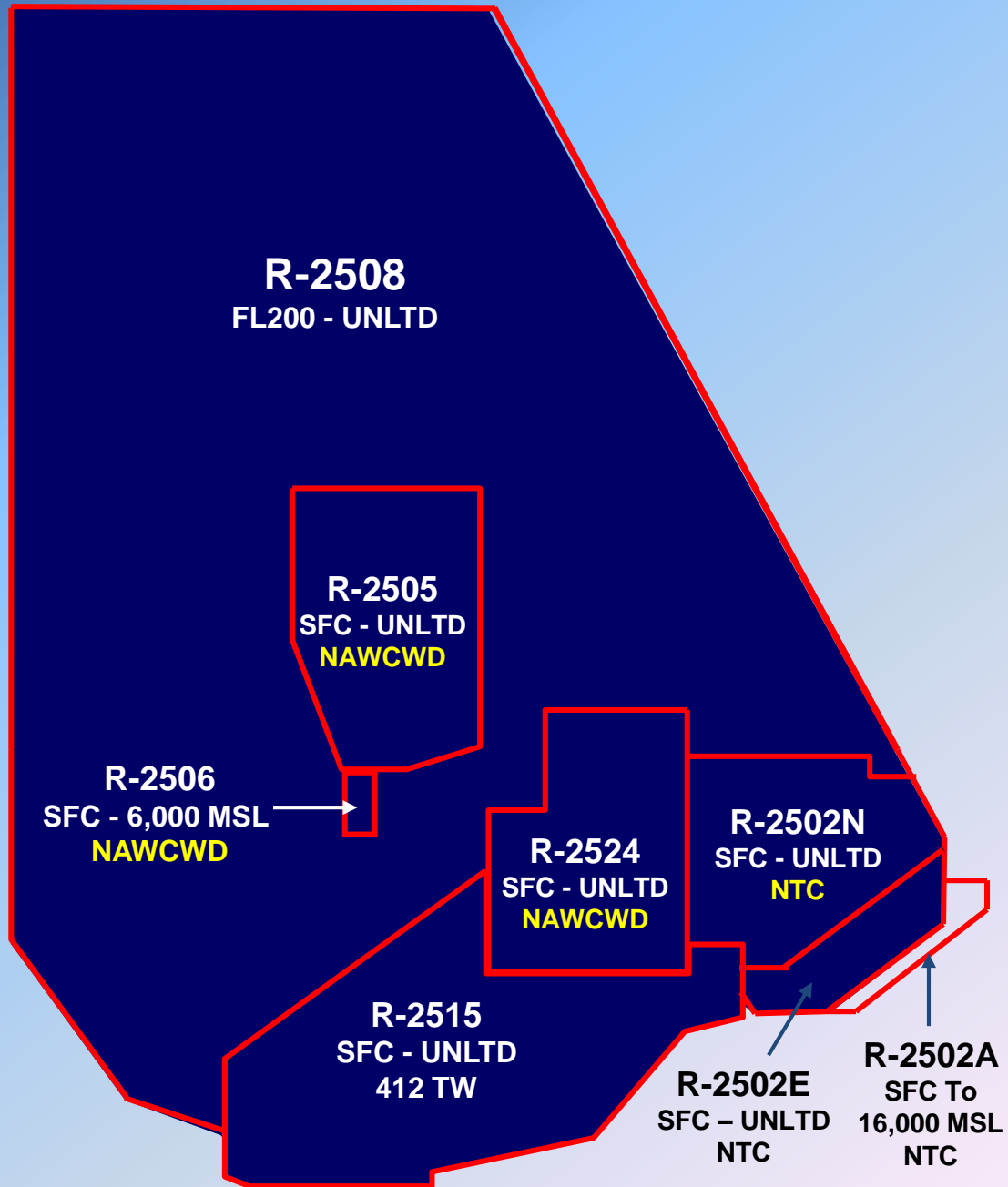
- Schedule R-2508 with CCF
- Schedule Internal Restricted Areas with Using Agency and CCF To Transit MOA/ATCAA Airspace

## Using Agencies:

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

R-2515: 412TW

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





# R-2508 Annual Users Briefing

## MOA & ATCAA Airspace

Military Operations Areas & Air Traffic  
Control Assigned Airspace

## JOSHUA APPROACH

### Frequencies:

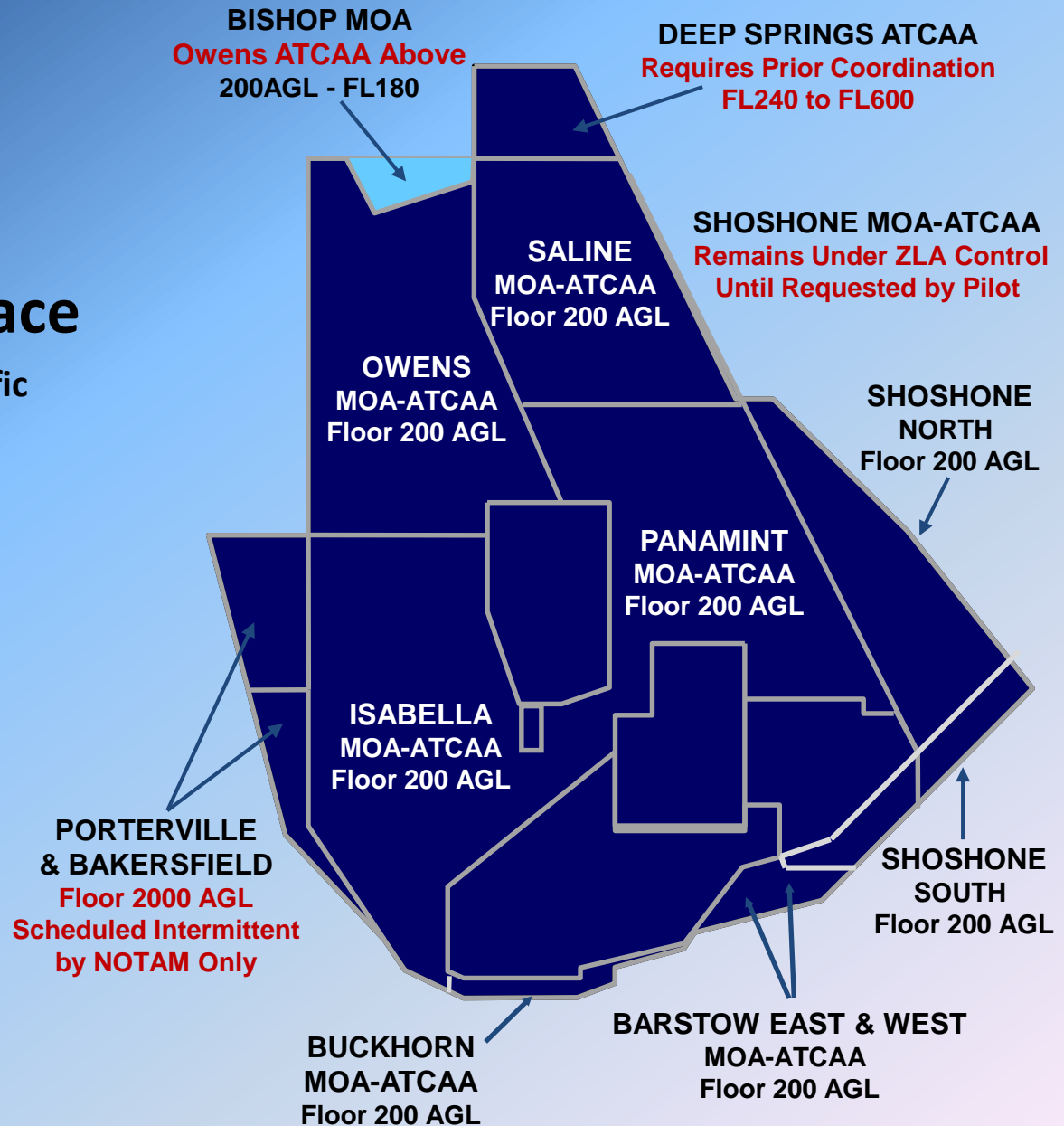
Joshua Primary ATC: 348.7/133.65

Isabella: 335.6/134.05

Owens: 322.3/126.55

Saline: 256.8/123.95

Panamint: 291.6/120.25





# R-2508 Annual Users Briefing

## 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





# R-2508 Annual Users Briefing

## IFR Procedures

Not Authorized when SUA is Active

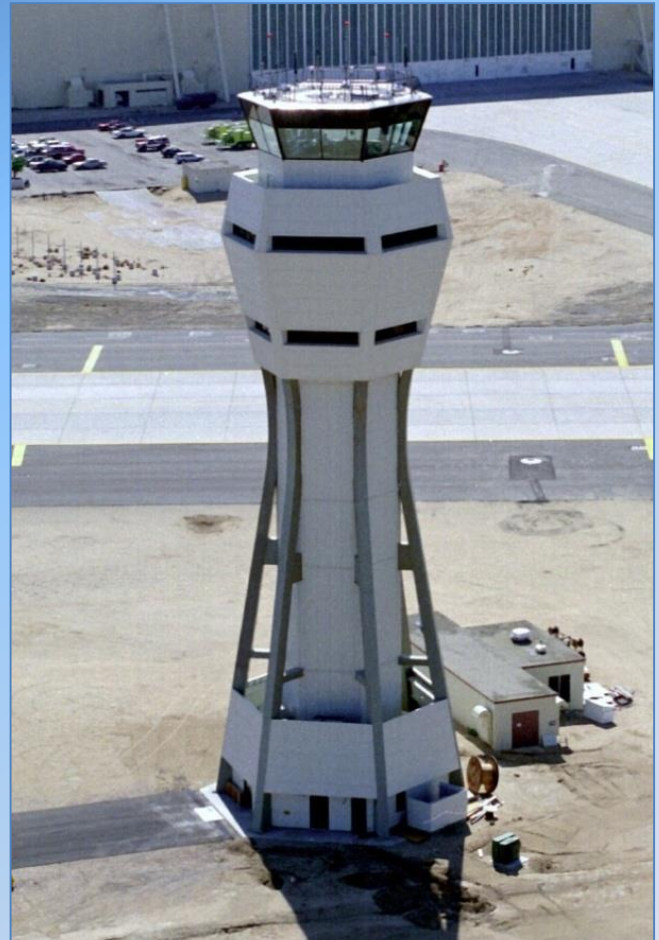
What to do if you encounter an  
IMC Condition...

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





# R-2508 Annual Users Briefing



## R-2508 Air Traffic Control (ATC) and Military Radar Unit (MRU) Services

- **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



# R-2508 Annual Users Briefing



## 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**.
- **Receive SA from ATC:** Joshua Approach should respond with **Work Area Clearance**, relevant **Traffic Information**, and, workload permitting, **work area saturation information**.
- **ATC traffic calls** 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**.



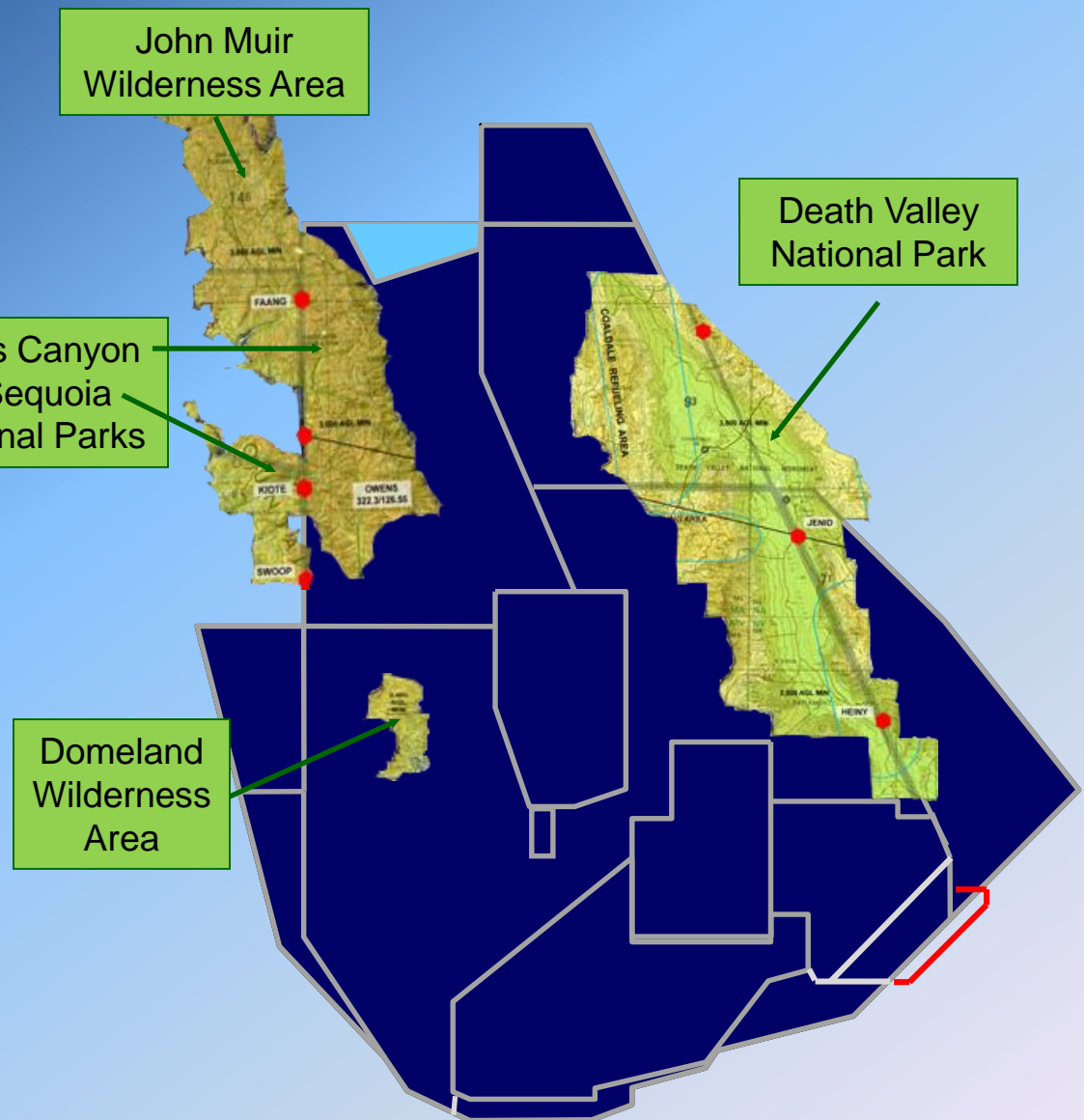


# R-2508 Annual Users Briefing

## 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





# R-2508 Annual Users Briefing

## SEKI



- Sequoia and Kings Canyon National Parks (SEKI)
  - All participating aircrews maintain an altitude of **18,000** feet or above over SEKI unless specifically scheduled lower through CCF.
    - 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.





# R-2508 Annual Users Briefing

## Overflight Restrictions

- Published Civil Airports:

- 1,500' AGL or 3 NM

- Mojave Air & Space Port Class D

- Airspace:

- 4,800' MSL and below

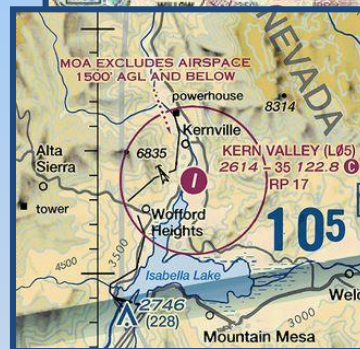
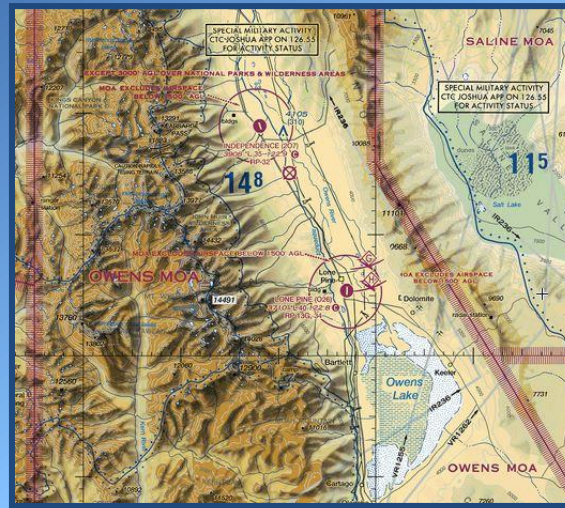
- National Test Pilot's School

- Aircraft & Space Systems development/testing

- Airborne Tow operations

- Community Overflights:

- 3,000' AGL unless operating on an approved test plan





# R-2508 Annual Users Briefing

## Low Level Procedures

For sustained flight below 1,500' AGL

- Requires notification/check-in with JOSHUA Approach
- Operating frequency - 315.9 MHz, NOT Monitored by ATC/MRU
  - Use as Unicom for blind transmissions, pilot to pilot only
- State Call sign, type aircraft, location and intentions
- Provides cross frequency communication capability with Land Management Agencies

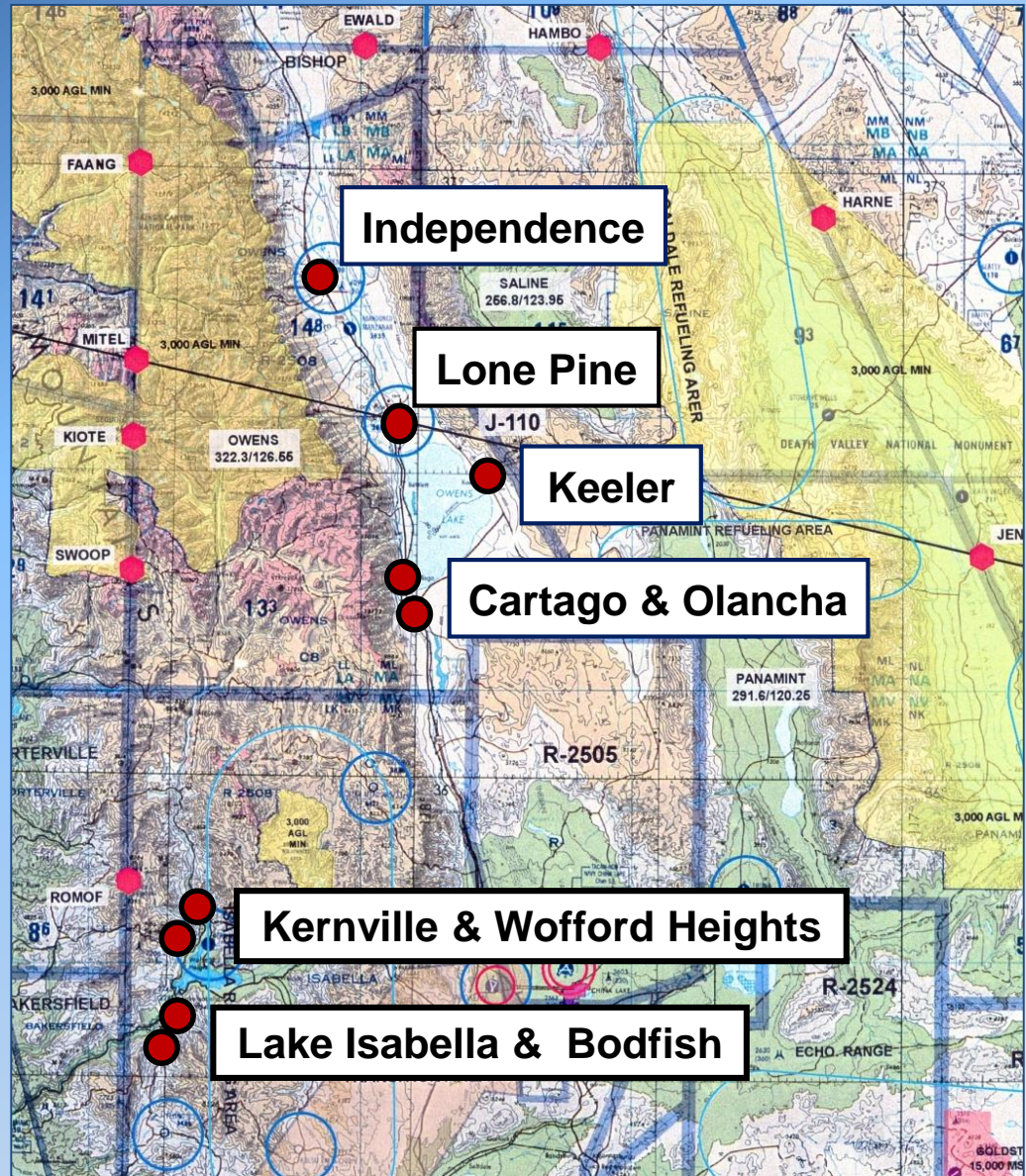




# R-2508 Annual Users Briefing

## Noise Sensitive Areas

**All Communities** within the R-2508 Complex are considered “noise sensitive areas”. Noise sensitive areas must be avoided by 3000’ AGL. The only exception to the 3000’ restriction is while operating on an approved test plan.





# R-2508 Annual Users Briefing

## Noise & Low Level Complaints

### Areas of Highest Concern:

- Kernville
- Wofford Heights
- Lake Isabella
- Bodfish

Source of most Sidewinder  
LL Noise Complaints



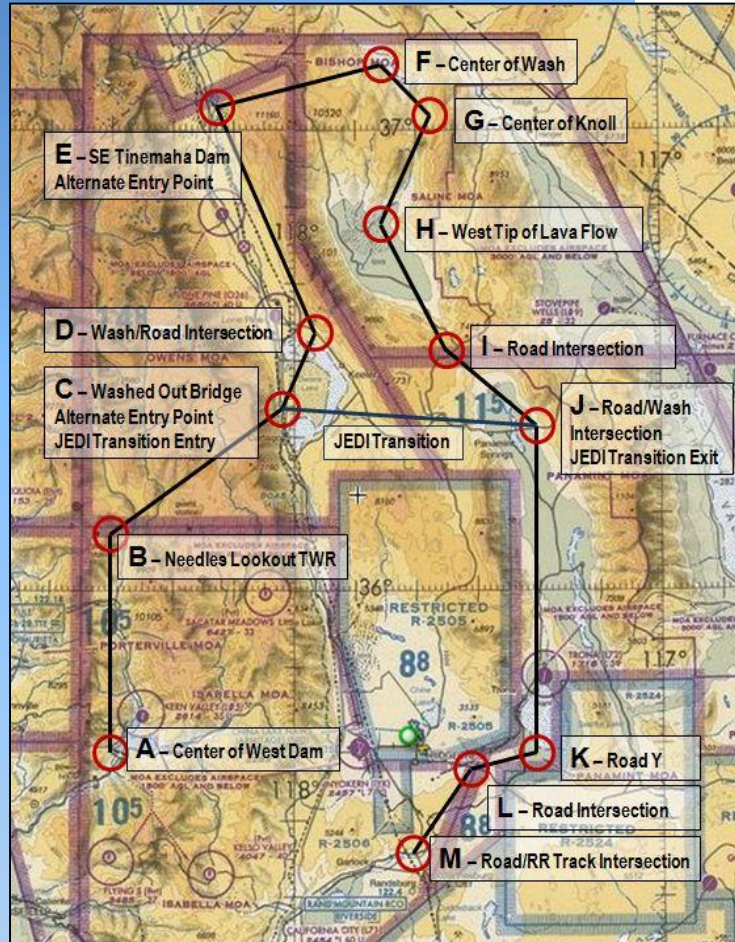


# R-2508 Annual Users Briefing

## Sidewinder

### Low Level with JEDI transition

- All points must be flown in a clockwise direction, sequentially i.e. A, B, C... M, or C, D, E... O, etc. Opposite Direction Flight Prohibited
- Preferred alternate entry via points C or E
- JEDI Transition: Proceed East from Point C to Point J
- Annotate "Sidewinder" in remarks section of R-2508 Airspace Request Form.



### SIDEWINDER LOW LEVEL (Rev 2) 11 Feb 2015

**CAUTION:** These are R-2508 procedural controls for local use only. Points will be flown sequentially (i.e. A, B, C...M or C, J, K...M, etc). **OPPOSITE DIRECTION IS PROHIBITED.**

*The SIDEWINDER and JEDI Transition are not published MTRs.*

#### ROUTE DESCRIPTION:

PT	Lat/Long	Pt Description/Elevation
A	N 35 38.75 W 118 28.94	ctr of West Dam/2575
B	N 36 06.60 W 118 29.12	Needles Lookout Twr/8107
	36 24.74 W 118 00.57	Washed Out Bridge/3615
	36 35.61 W 117 58.53	Wash/Road Int/3635
	37 02.88 W 118 12.79	SE Tinemaha Dam/3894
	37 09.18 W 117 46.19	Center of Wash/2956
	37 02.17 W 117 37.09	Center of Knoll/4738
	36 47.95 W 117 45.69	West Tip Lava Flow/1352
	36 30.84 W 117 34.05	Road Int/6109
	36 20.69 W 117 21.08	Road/Wash Int/2093
	35 39.34 W 117 21.62	Road Y/1624
	35 36.61 W 117 31.56	Road Int/2480
	35 25.40 W 117 40.32	Road/RR Int/2785

A. ALTITUDE: NLT 200' AGL to 3000' AGL  
B). NLT 200' AGL (points B to K); NLT 500' K to M). Climb as required to avoid noise and airports (note 8).

DTH - 2 NM either side of centerline.

#### Operating Procedures:

Entry Procedure: Prior to entry notify Joshua of intentions and planned Entry/Exit point. Above 900 AGL and prior to route entry make intentions I on Low Level Common (315.9). Give way to any traffic already established on the route prior to entry.  
To B remain above 3000 AGL until 3 NM North Kern Valley Airport to avoid Lake Isabella and surrounding communities.

- (3) Alternate Entry: This is a procedural control and traffic may enter at any point. Preferred alternate entry points are C and E.
- (4) Alternate Exit: This is a procedural control and traffic may exit at any point. Preferred alternate exit points are H and K.
- (5) All aircraft operating on the Sidewinder/Jedi Transition will utilize the R-2508 low altitude common frequency 315.9. When entering low level environment transmit in the blind call sign, number and type of aircraft, and intentions. Monitor 315.9 until exiting low altitude regime. Repeat calls entering new areas, or crossing ridge lines.
- (6) Slower aircraft (i.e. C-12, T-34) may be on the route at the same time. Use caution for airspeed variations that may exist between aircraft. Aircraft being overtaken has the right of way.
- (7) To mitigate the risk of opposite direction traffic, offset right of centerline when transiting saddles between valleys. Rising terrain may mask advisory calls.
- (8) Avoid all noise sensitive areas by 3000' AGL or 3000' laterally. Avoid all airports along route by 1500' AGL or 3 NM.
- (9) Point B to C, avoid the extremely noise sensitive areas of Olancha and Cartago.
- (10) Point C to D, avoid the extremely noise sensitive areas of Keefer and Lone Pine. Caution: intensive hang glider activity in the vicinity of Dolomite and northeast shore of Owens lake.
- (11) Caution: high migratory bird activity between F and H during daylight hours.
- (12) **CAUTION:** Possible merging traffic from aircraft on Jedi Transition (approaching from west via Point C). Sidewinder users of 1st east of Point J for deconfliction. Sidewinder users make mandatory radio call approaching Point J "Call sign, Jedi Transition, approaching Point Juliet". Make calls on 315.9
- (13) Point J to K, 198' multi unit towers N35°53.797 W117°15.558. Avoid Trona Airport by 1500' AGL or 3 NM.
- (14) Point K to M. Watch for traffic northbound to Chino Lake initial at 4000' MSL.
- (15) Point L to M, route transits underneath instrument procedure at NID (arc and final approach). Use caution if exiting route prior to Point M.
- (16) Conflicts: A to L: IR-236; B to D: VR-1255; E to I: VR-1205-1255-1262; I to L: VR-1262, IR-200; K to M: IR-200-211.

**JEDI TRANSITION:** At Point C proceed east to Point J. **CAUTION:** Possible merging Sidewinder traffic from the north via Point I. Jedi users offset west of Point J for deconfliction. Jedi users make mandatory radio call approaching Point J "Call sign, Jedi Transition, approaching Point Juliet". Make calls on 315.9.

Route Map, Route Description, and Standard Operating Procedures Published in R-2508 User Handbook



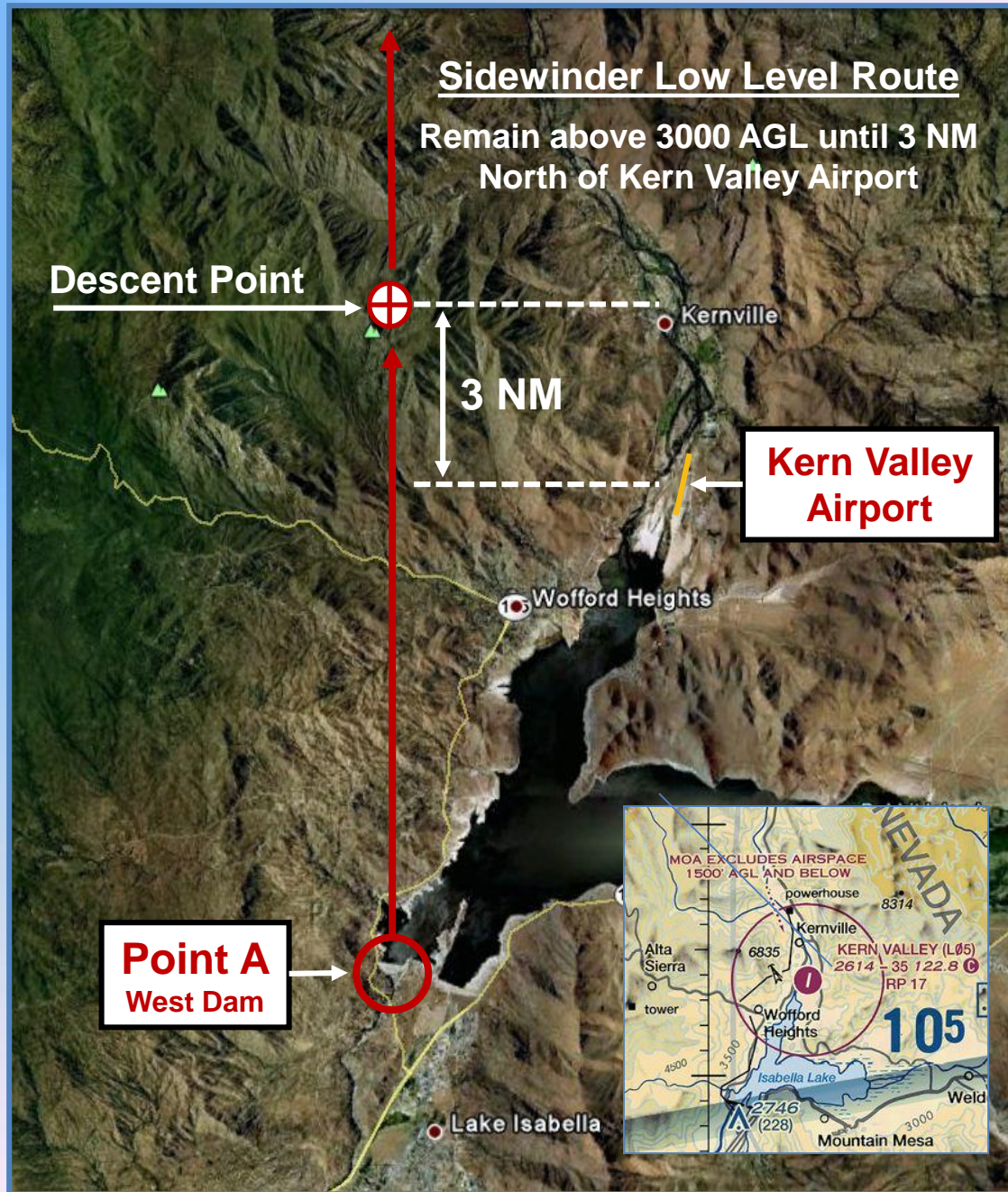


# R-2508 Annual Users Briefing

## Noise & Low Level Complaints

## Sidewinder Low Level Point Alpha to Descent Point

Remain above 3000 AGL  
until 3 NM North of Kern  
Valley Airport to avoid  
Lake Isabella and  
surrounding Communities





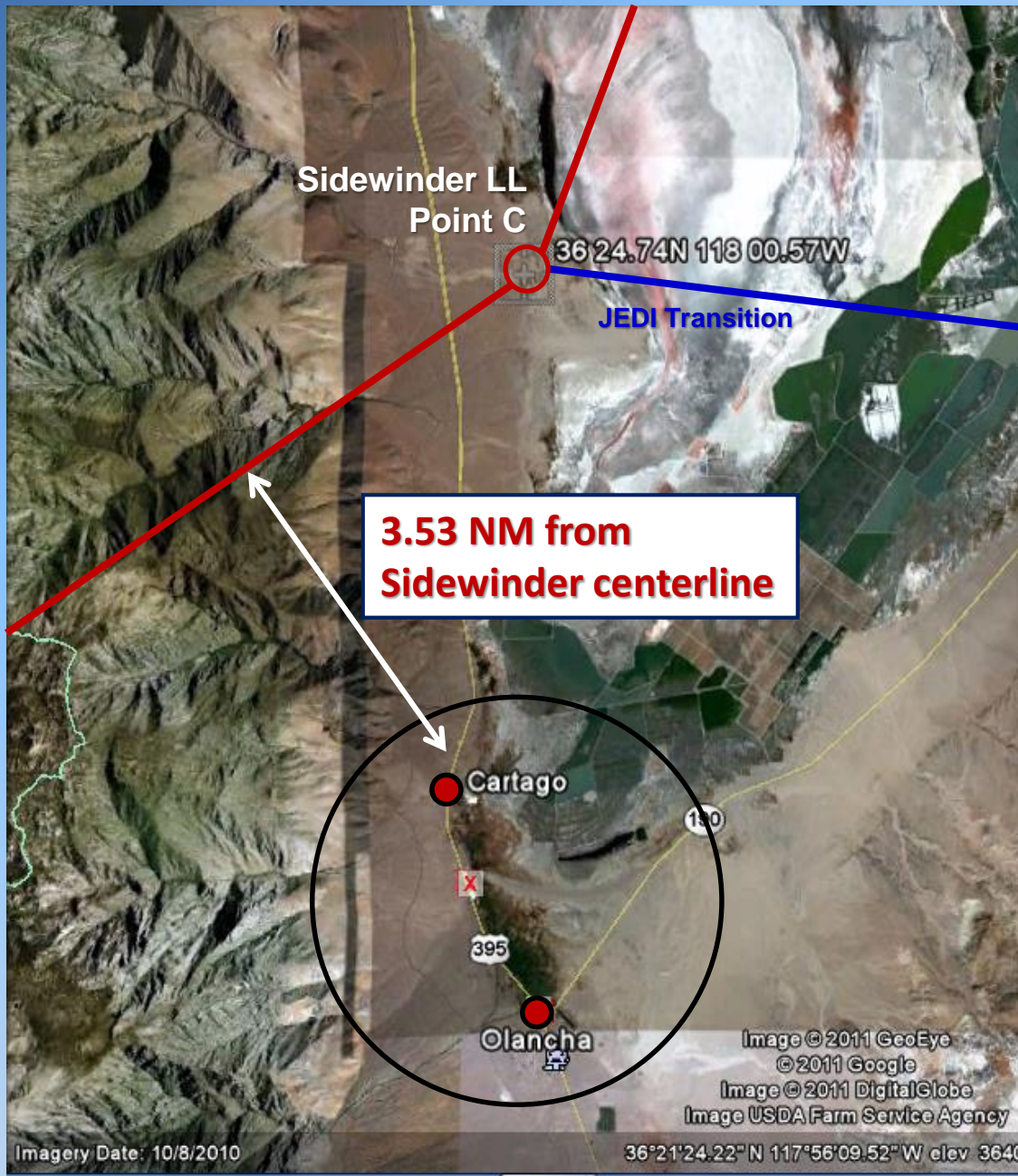
# R-2508 Annual Users Briefing

## Noise & Low Level Complaints

### Areas of Highest Concern:

- Cartago
- Olancha

Source of most Owens Lake area  
noise complaints 3.53 NM from  
Sidewinder LL centerline





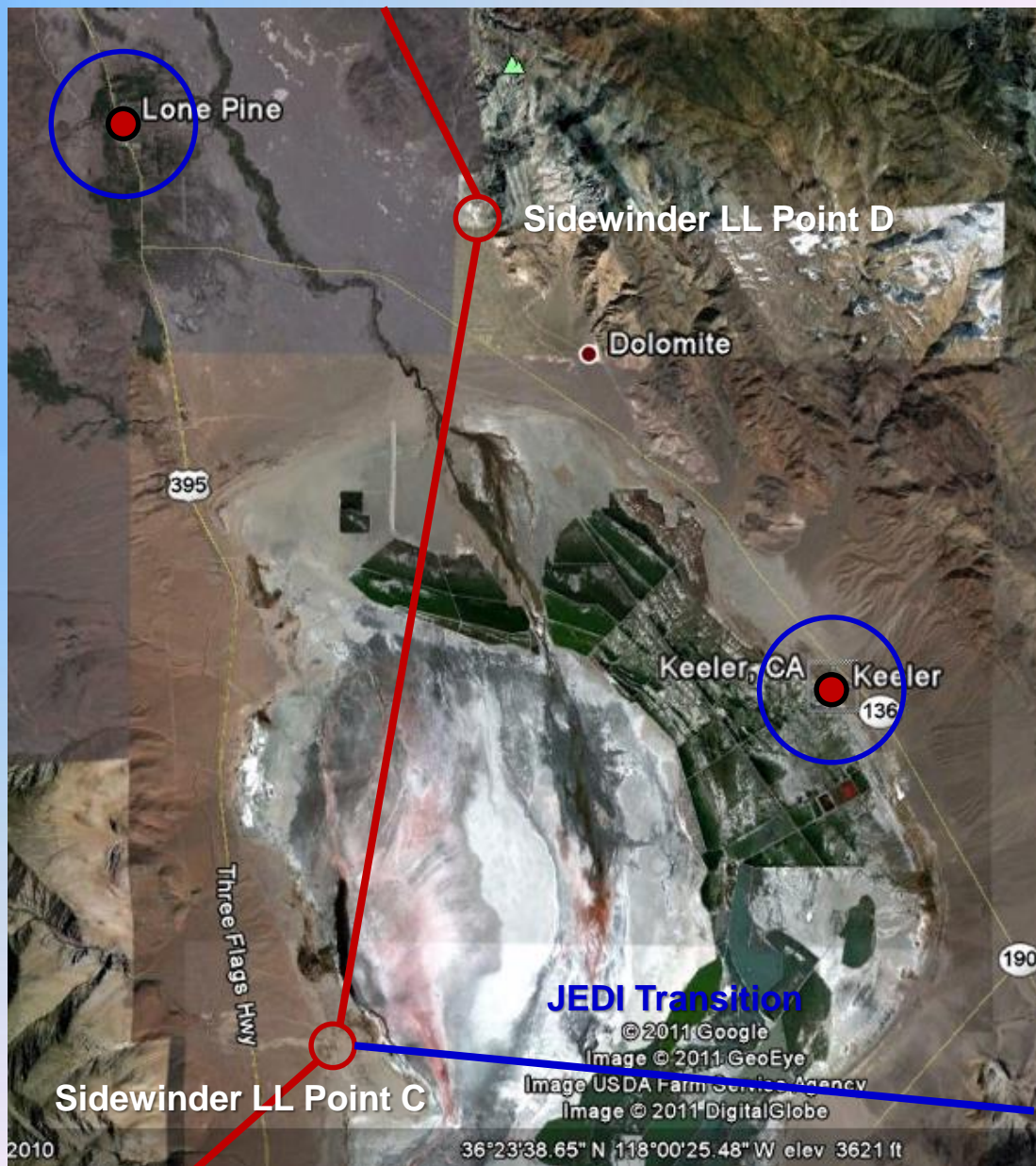


# R-2508 Annual Users Briefing

## Noise & Low Level Complaints

Other Owens Valley areas  
of Concern...

- Lone Pine
- Keeler

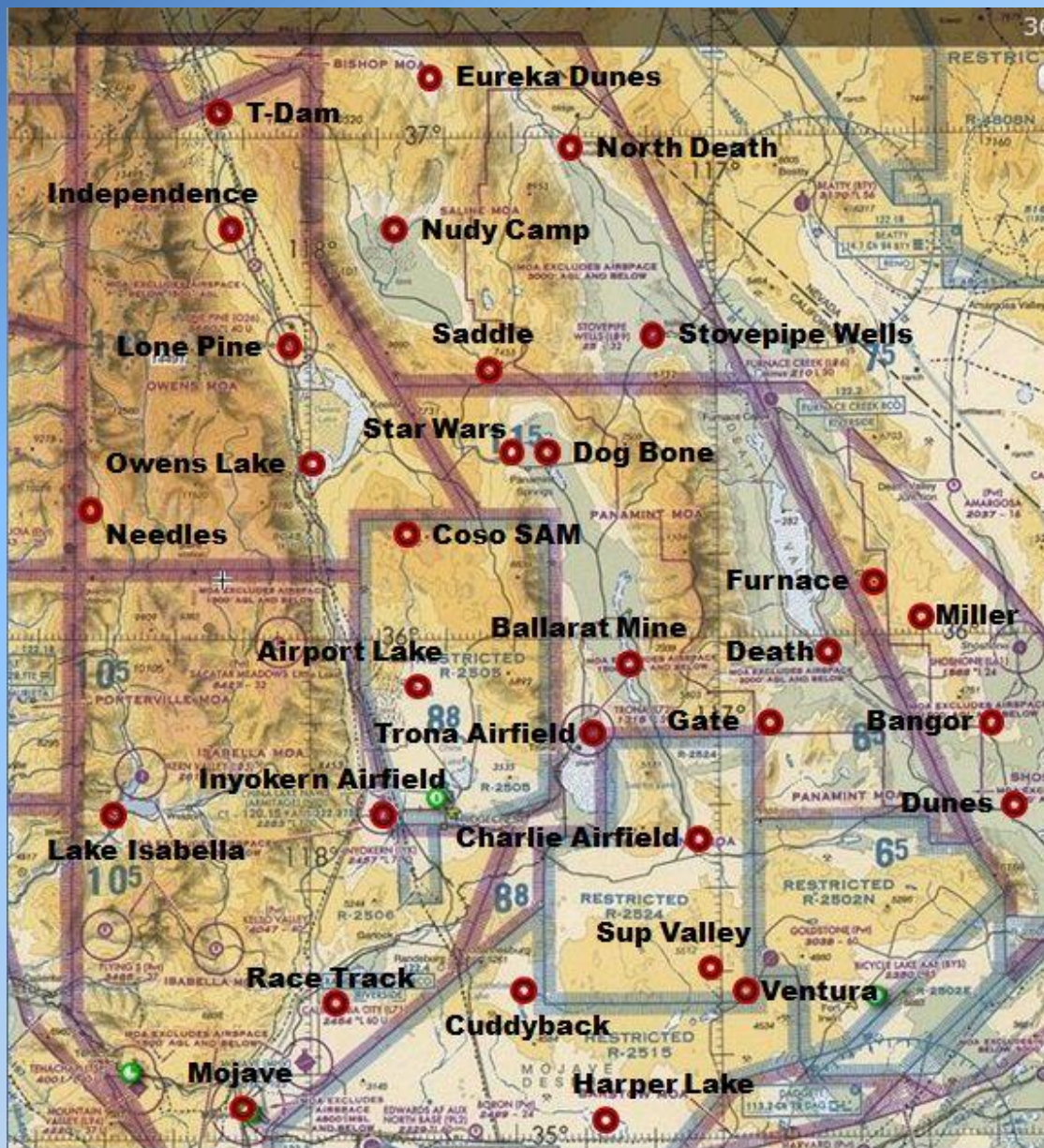




# R-2508 Annual Users Briefing

## GEO Reference Points

- Easily identifiable ground reference points used to describe aircraft position during low level flight operations on frequency 315.9
- Detailed list of these locations, names and latitude/longitude position listed in R2508 Users Handbook paragraph 5.2.1





# R-2508 Annual Users Briefing

## • Temporary Flight Restrictions (TFRs)

- Land Management Activity
- Fire-fighting Support ACFT

**SMOKE FROM FIRES STAY  
AWAY!**

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





# R-2508 Annual Users Briefing

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

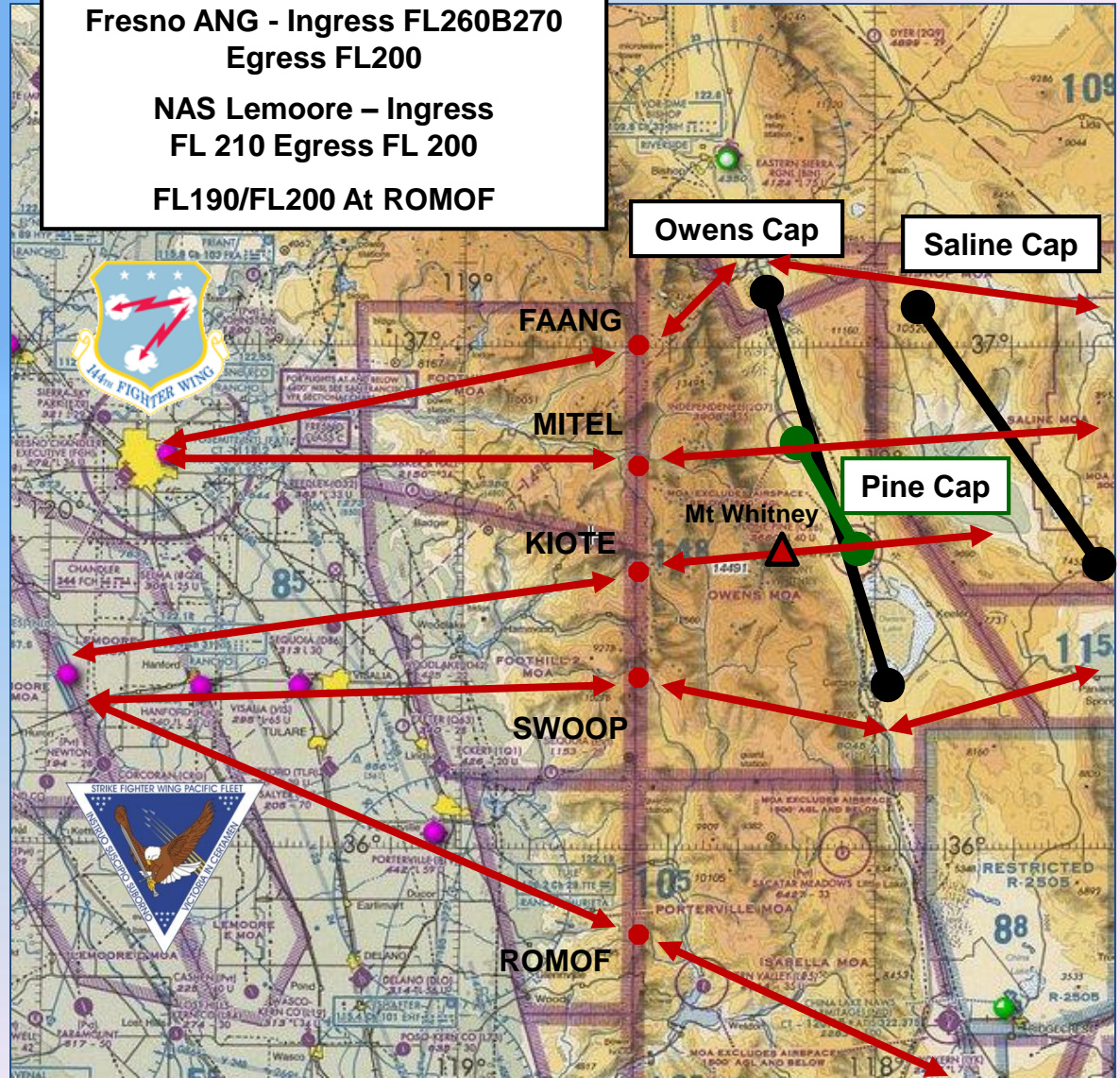
- Be aware of heavy East/West traffic flow across Owen Valley
- Avoid Mt Whitney area

**Entry/Exit Point Altitudes**

Fresno ANG - Ingress FL260B270  
Egress FL200

NAS Lemoore – Ingress  
FL 210 Egress FL 200

FL190/FL200 At ROMOF

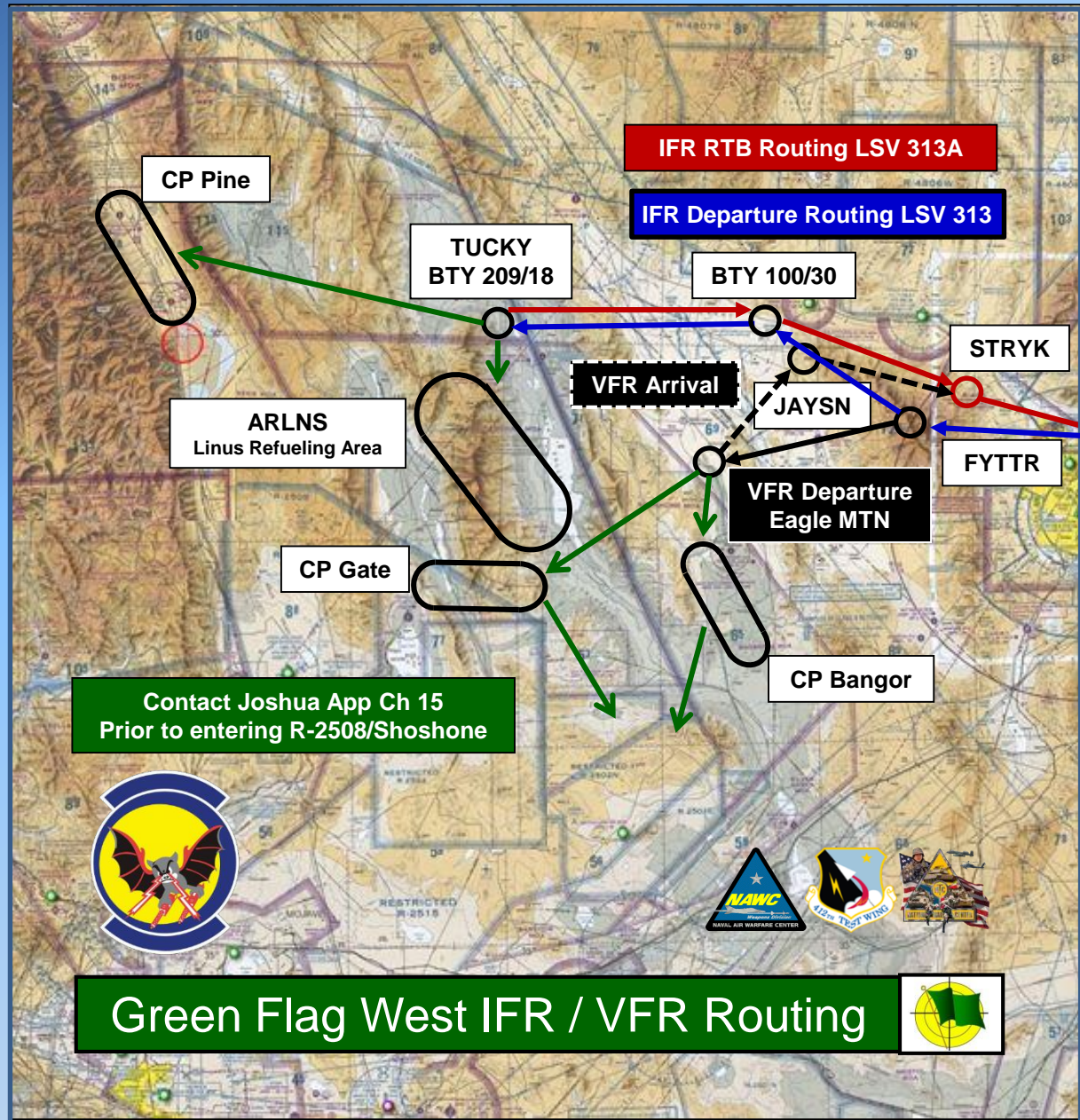




# R-2508 Annual Users Briefing

## 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

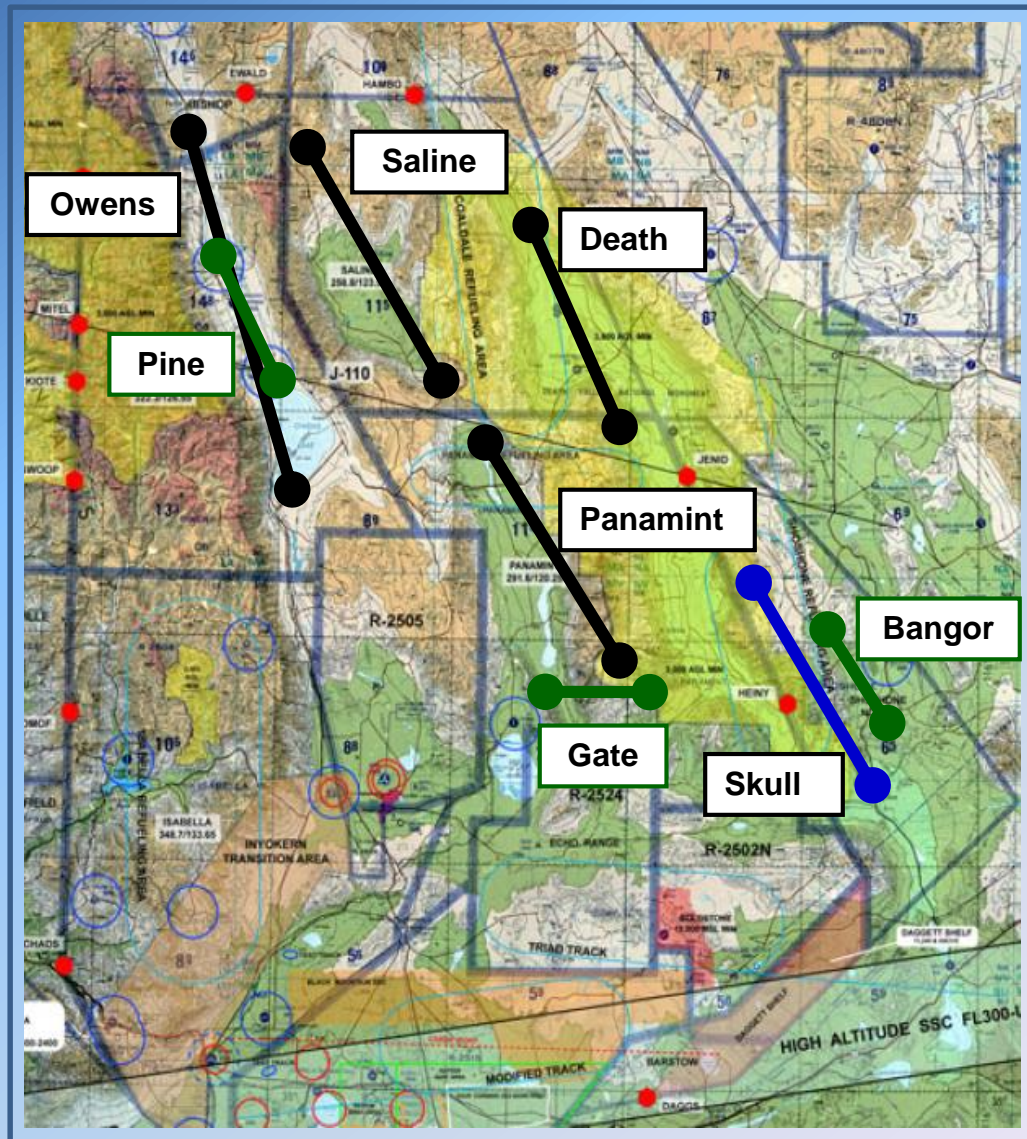




# R-2508 Annual Users Briefing

## 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

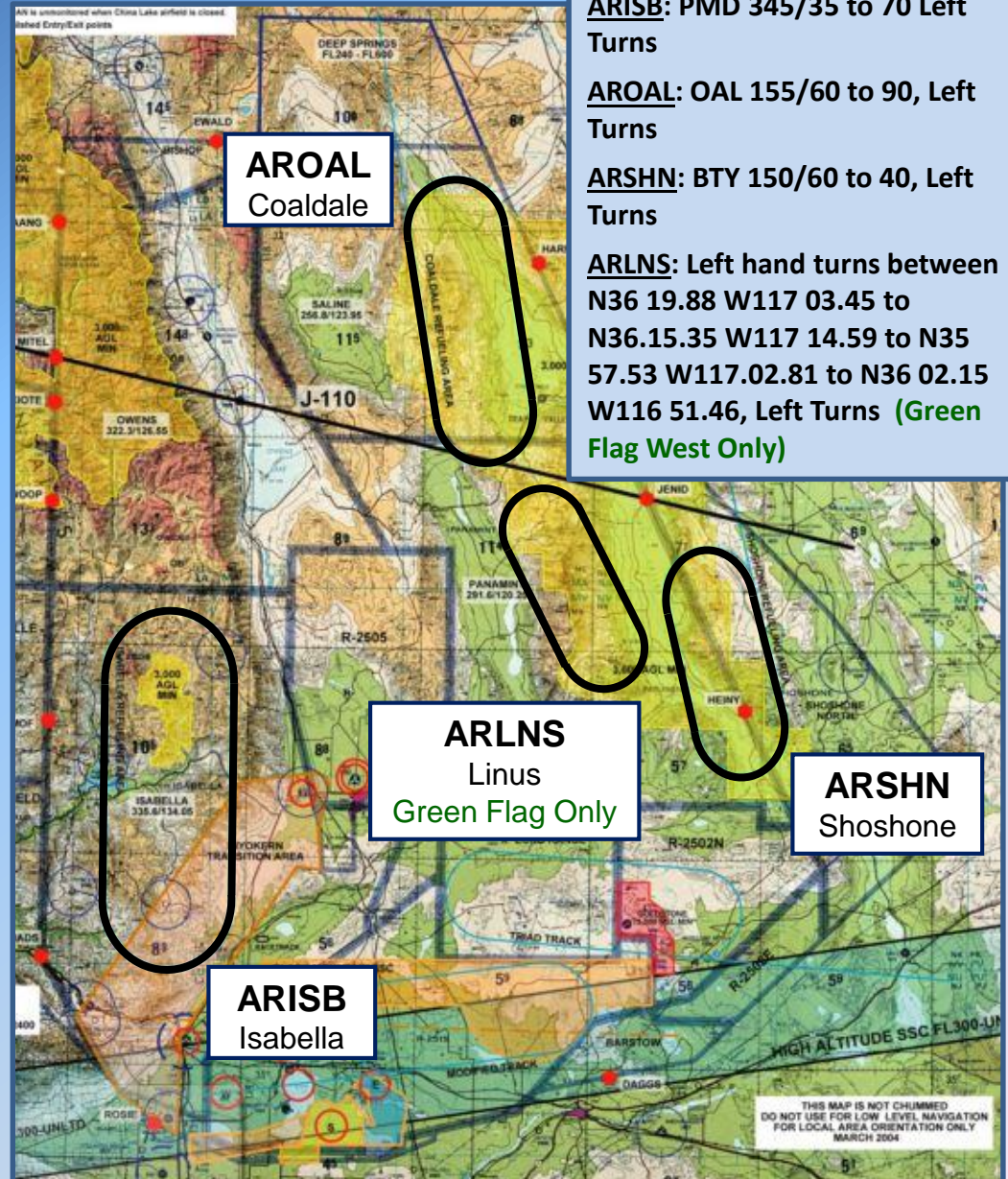




# R-2508 Annual Users Briefing

## 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



**ARISB:** PMD 345/35 to 70 Left Turns  
**AROAL:** OAL 155/60 to 90, Left Turns  
**ARSHN:** BTY 150/60 to 40, Left Turns  
**ARLNS:** Left hand turns between N36 19.88 W117 03.45 to N36 57.53 W117.02.81 to N36 02.15 W116 51.46, Left Turns (Green Flag West Only)

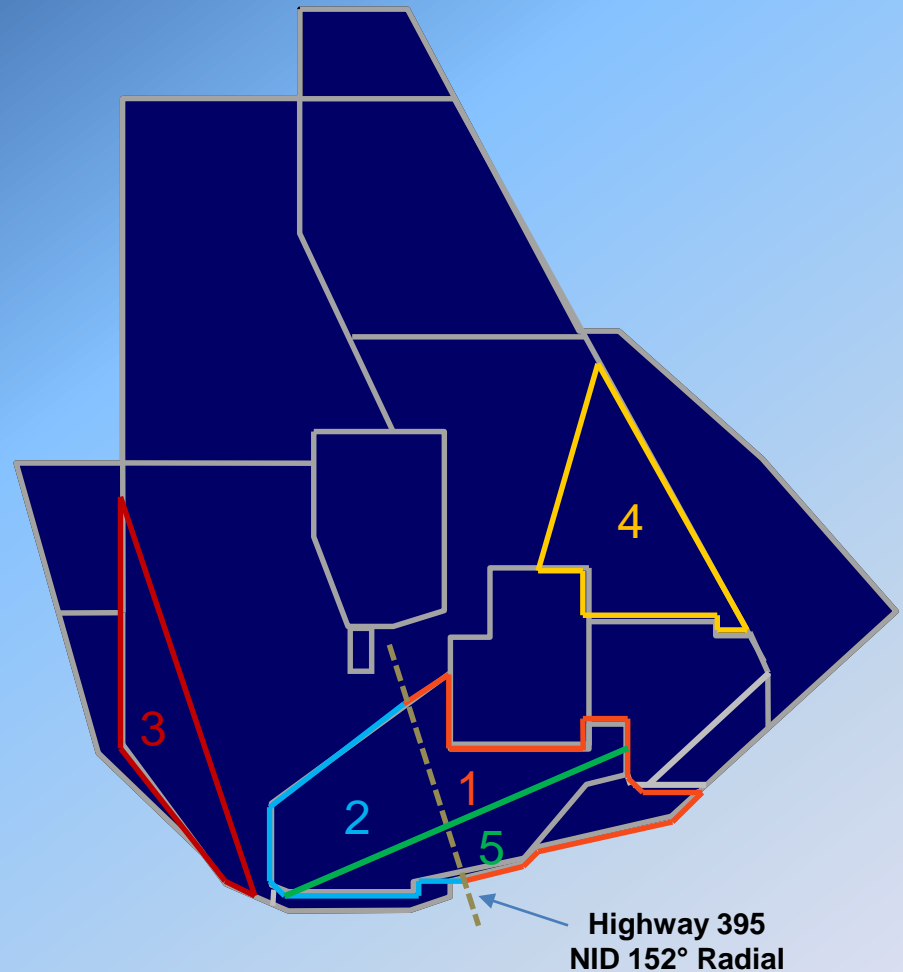


# R-2508 Annual Users Briefing

## Special Activity Areas...

### Weather Areas

- Area 1:** Eastern Half of R-2515 Divided by Highway 395
- Area 2:** 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.

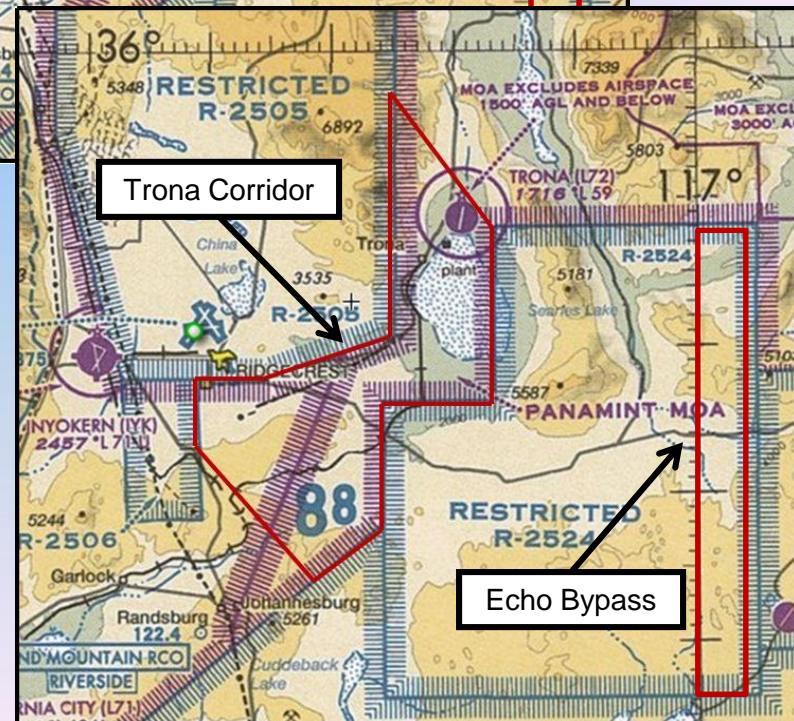
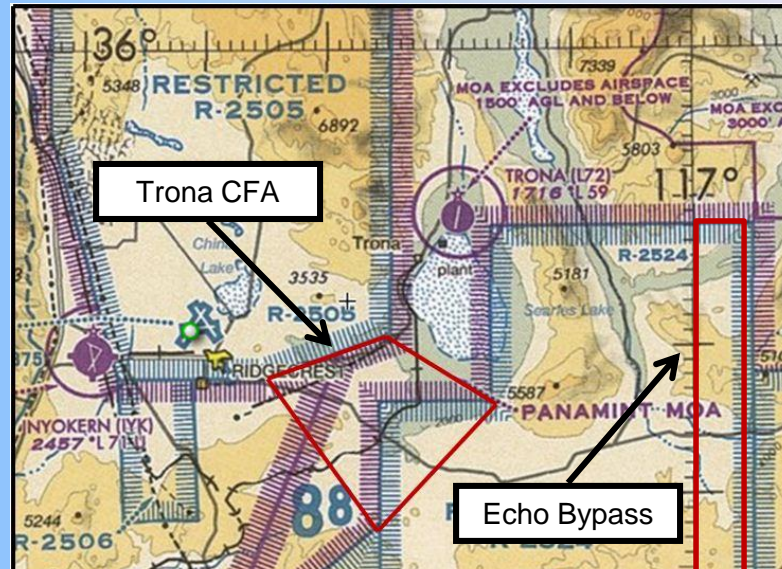




# R-2508 Annual Users Briefing

## 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

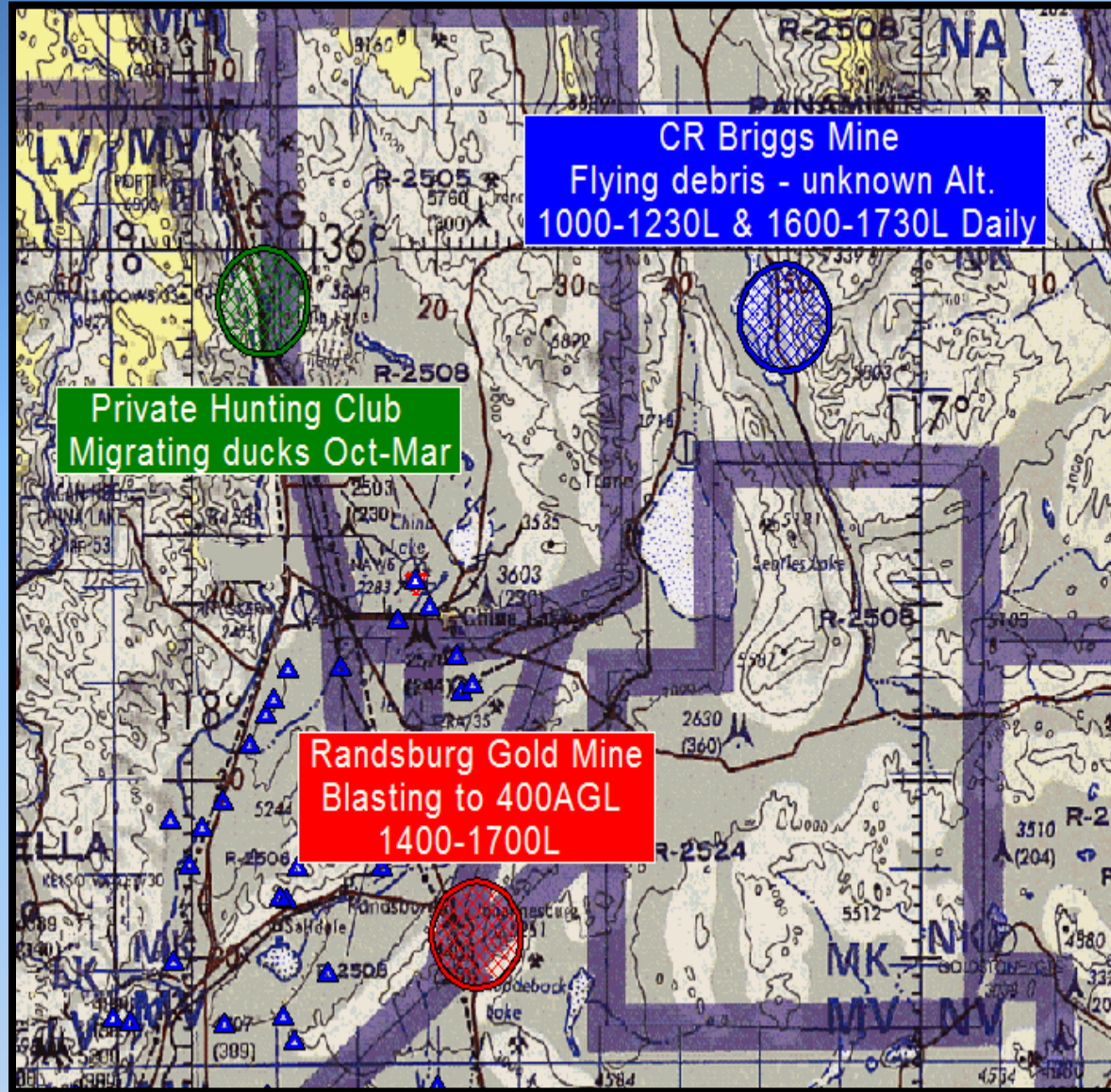




# R-2508 Annual Users Briefing

## Special Activity Areas

- CR Briggs Mine “Blasting”  
35°56'17"N/117°11'09"W
- Randsburg Gold Mine  
35°21'30"N/117°36'45"W
- Flying Rock to Unknown  
Altitudes
- Little Lake – Duck migratory  
stop/hunting season: Oct-Jan
- Bird Strike Hazard



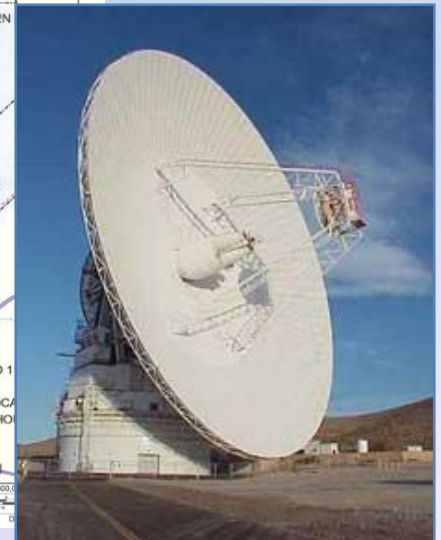
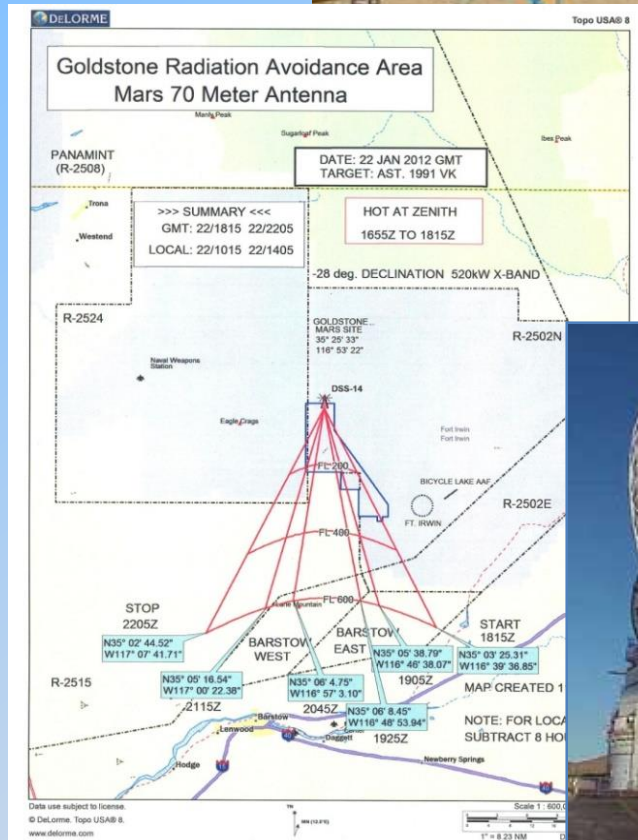
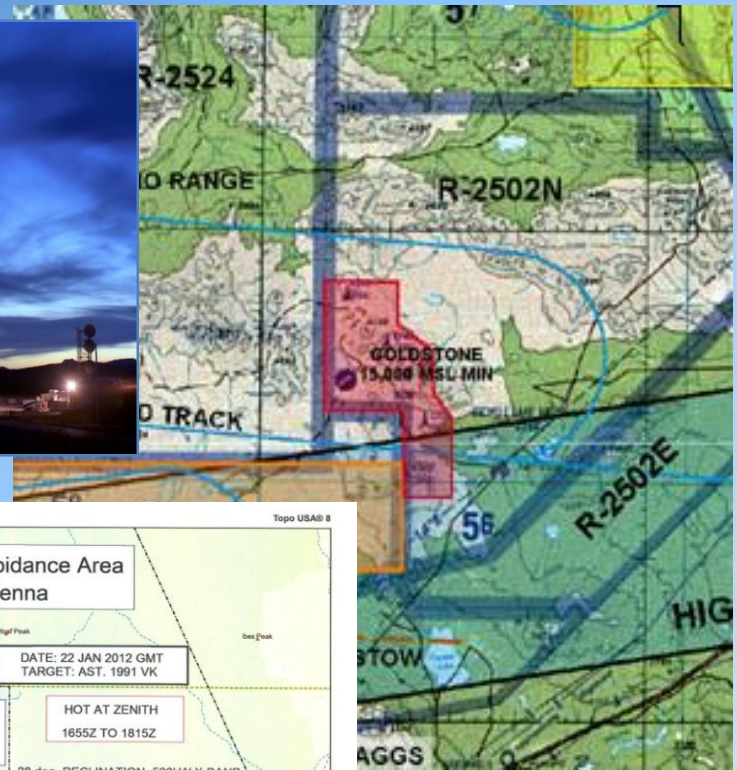


# R-2508 Annual Users Briefing

## 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

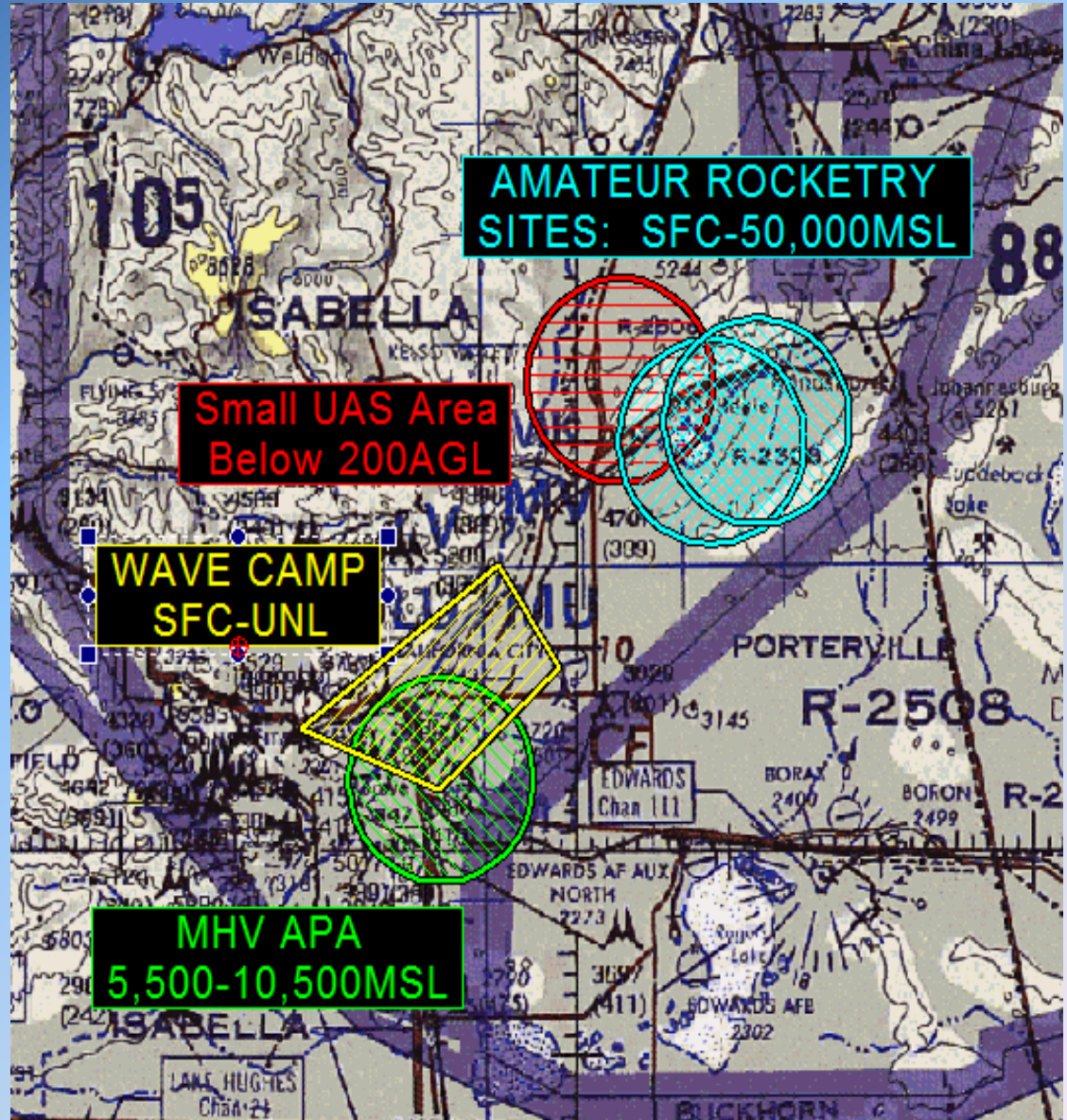




# R-2508 Annual Users Briefing

## SPECIAL ACTIVITY AREAS

- **Small UAS Work Area**
  - Below 200' AGL
  - Underlies IR211 and VR1262
- **Koehn Dry Lake: Launch Site**
  - Launch Altitudes up to 50,000 MSL
  - sUAS 200AGL M-F / 400AGL WKND
- **Wave Camp Area: Concentrated Glider Activity - All altitudes**
  - Transponder Equipped above FL180
- **MHV Aerobatic Practice Area**
  - 5,500 to 10,500 MSL
  - W/I lateral confines MHV Class D
  - Activated real-time by JOSHUA

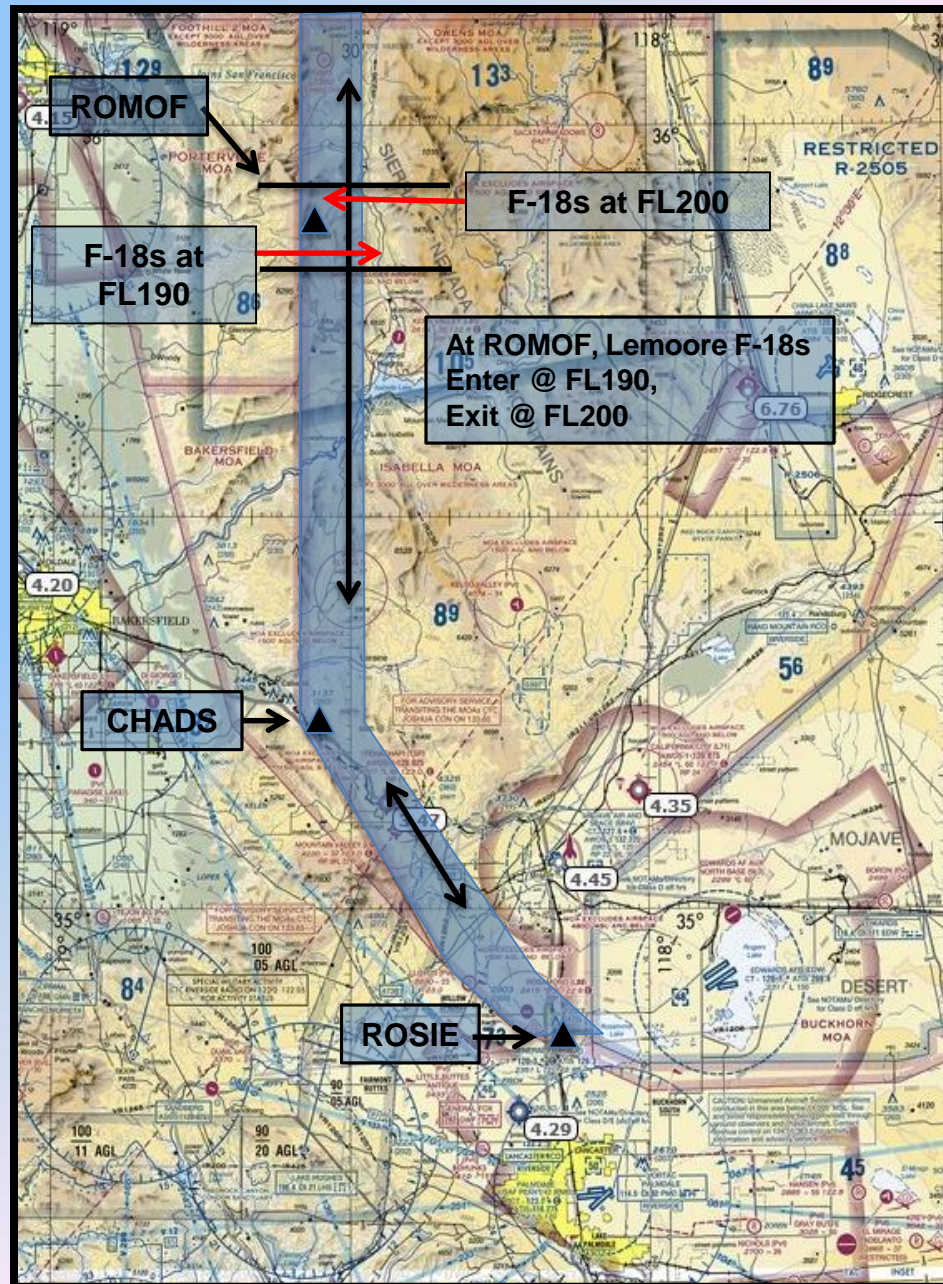




# R-2508 Annual Users Briefing

## 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 separation from other traffic. R-2508 is non-exclusive use, VFR, and See and Avoid.

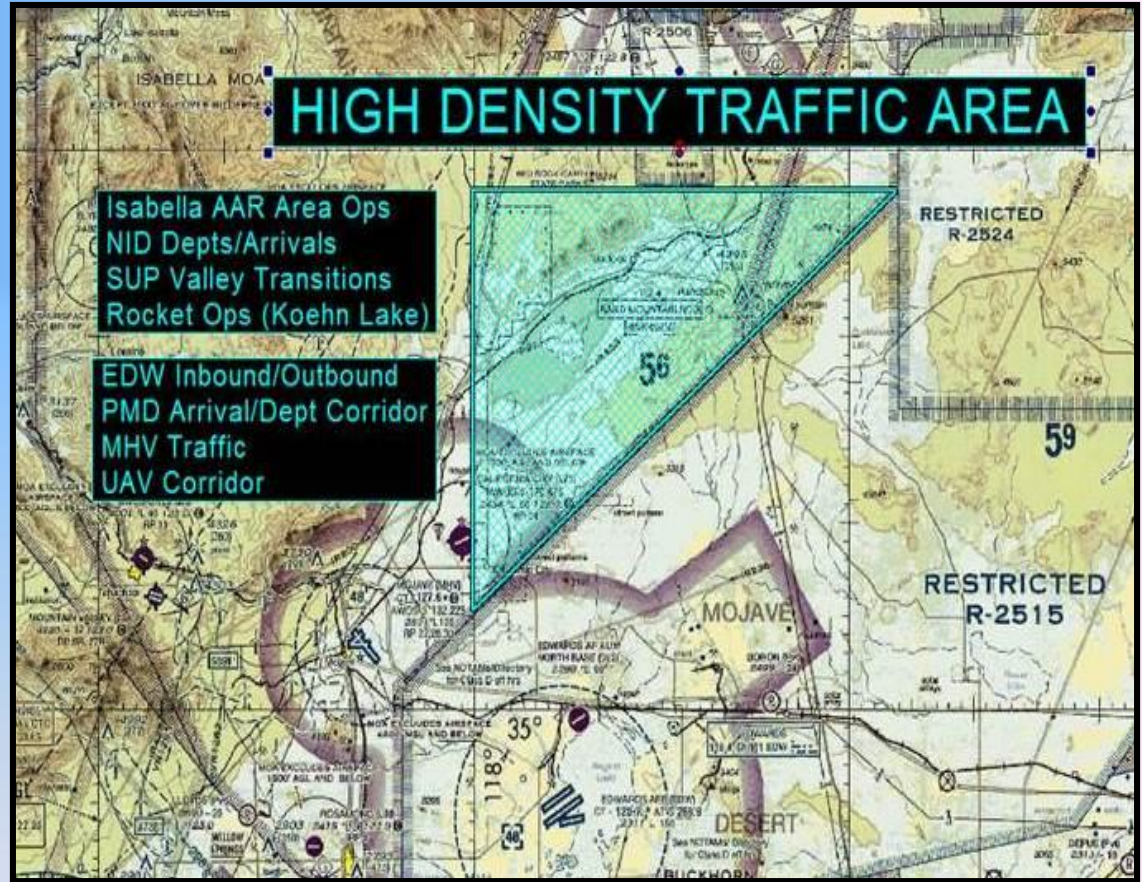




# R-2508 Annual Users Briefing

## 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

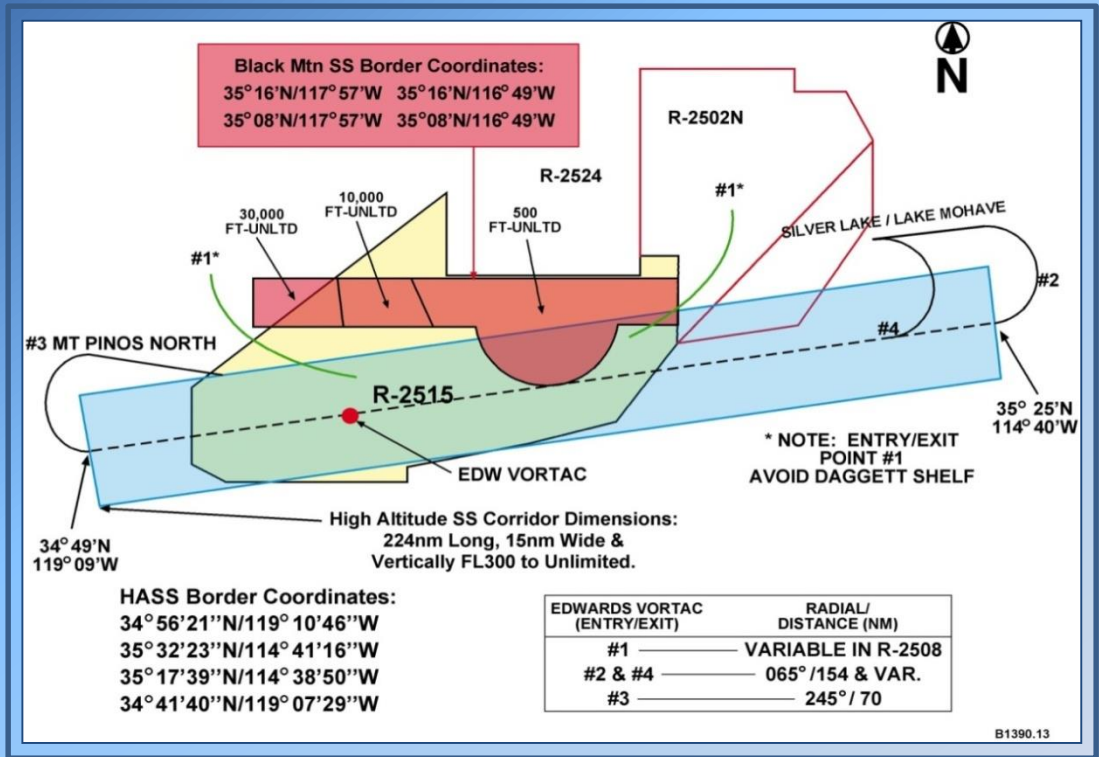




# R-2508 Annual Users Briefing

## Special Activity Areas

- Supersonic Areas
- Black Mountain Supersonic
  - Tiered Bottom
  - SPORT must be open
- High Altitude Supersonic
  - At or Above FL300
  - Entry/Exit 1 within R-2515
  - Other Entry/Exit Point usage requires prior coordination with SPORT and LA Center



## Supersonic operations

- Only in authorized supersonic areas
- Refer to R-2515 in-flight procedures (412TW 13-100) regarding use of High Altitude and Black Mountain areas, additional information available through the Edwards Airspace Management Office DSN 527-2515 or 277-2515
- Schedule Supersonic Operations with 412TW Center Scheduling. Same Day: DSN 527-3940 next day or beyond DSN 527-4110. Include in Remarks Section of CCF Airspace Request Form.

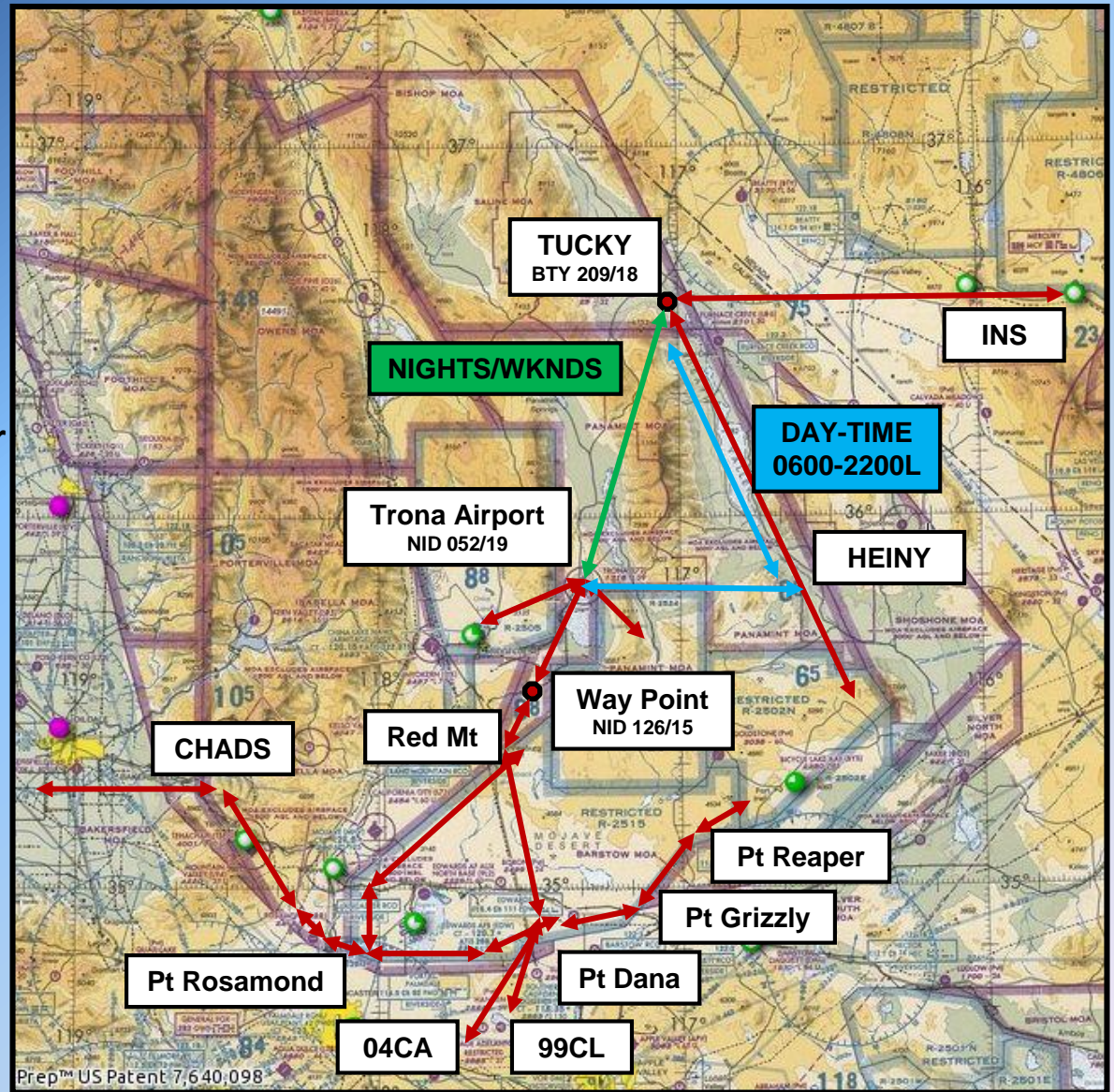




# R-2508 Annual Users Briefing

## 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 Annual Users Briefing

## Chaff & Flares

### Chaff/ECM

- Requires specific frequency management approvals (usually via unit)
- Notify CCF of Chaff/ECM activity when scheduling airspace (remarks section)
- Additional (internal) range rules may apply

### Flares

- Internal restricted areas ONLY & requires specific Using Agency approval





# R-2508 Annual Users Briefing

## Lights Out & Targets of Opportunity

### Lights-Out Operations

- May be conducted within internal restricted areas
- Within R-2508 IAW Unit/CCB LOP

### Do Not Select Targets of Opportunity

- Highlighting test aircraft may result in a security violation or interruption of an expensive test





# R-2508 Annual Users Briefing

## 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>

R-2508 CC

LARGE FORCE EX

R-2508 Complex	ALTITUDE
050300Z - 050445Z	FL290
110130Z - 110315Z	FL290
120130Z - 120315Z	FL290
130130Z - 130330Z	FL290

**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**

LINK 16 and SADL STATUS  
 3 FEB 14

Edwards US Link 16: <b>Operational</b> SADL: <b>Down</b>	Edwards Allied Link 16: <b>Operational</b>	Rogers Peak US Link 16: <b>Down</b>
--	---	--

Troubleshooting/Coordination & After Hours Requests: DSN: 525-7514, COMM: (661) 275-7514.  
 Email: [412tw.licc@edwards.af.mil](mailto:412tw.licc@edwards.af.mil) Operating Hours: M-F 0800L-1700L.

**SCHEDULED REFUELING OPERATIONS**

DATE/TIME (Z)	AREA	ALTITUDES	UNIT
011745Z - 012000Z	ARISB	FL180 - FL210	TOPS/EDW

**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**

**UAS TRANSITION**

GRAY BUTTE TO R2505/NID	ALTITUDE	RETURN	ALTITUDE	CALL SIGN
050815Z - 050845Z	FL200			VEGAS07

**\*\* 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.

**\*\* 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.

CREECH TO 02N	ALTITUDE	RETURN	ALTITUDE	CALL SIGN
031730Z-031800Z	FL200	040200Z-040230Z	FL190	REAPER 1
031530Z-031600Z	FL200	040500Z-040530Z	FL190	GRIM 1
041730Z-041800Z	FL200	050200Z-050230Z	FL190	REAPER 1
041530Z-041600Z	FL200	050500Z-050530Z	FL190	GRIM 1
051730Z-051800Z	FL200	060300Z-060330Z	FL190	REAPER 1
051530Z-051600Z	FL200	060500Z-060530Z	FL190	GRIM 1



# R-2508 Annual Users Briefing

## 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

The image shows two overlapping FAA flight planning forms. The top form is DD Form 175, MAY 86, titled 'FLIGHT PLAN'. It includes sections for 'BASE OPERATIONS USE', 'REMARKS', 'HANK AND HUNOR CODE', 'FUEL ON BOARD', 'SIGNATURE OF APPROVAL AUTHORITY', 'DUTY PILOT COMMAND', 'CREW/PASSENGER LIST', 'WEATHER', 'PILOT BRIEFING', 'STOPOVER', 'DEPARTURE POINT', 'DEPARTURE TIME', 'CRUISING ALTITUDE', and 'SPECIALIST INITIALS'. The bottom form is FAA Form 7233-1 (6-21) Electronic Version (Adobe), titled 'FLIGHT PLAN'. It includes sections for '1. TYPE', '2. AIRCRAFT IDENTIFICATION', '3. AIRCRAFT TYPE/SPECIAL EQUIPMENT', '4. TRUE AIRSPEED', '5. DEPARTURE POINT', '6. DESTINATION (Name of airport and city)', '7. FUEL ON BOARD', '8. ROUTE OF FLIGHT', '9. EST. TIME ENROUTE', '10. ALTERNATE AIRPORT(S)', '11. REMARKS', '12. PILOTS NAME, ADDRESS & TELEPHONE (OPTIONAL)', '13. DESTINATION CONTACT/TELEPHONE (OPTIONAL)', '14. COLOR OF AIRCRAFT', and '15. NUMBER ABOARD'. Both forms include a 'FSS ON ARRIVAL' field.

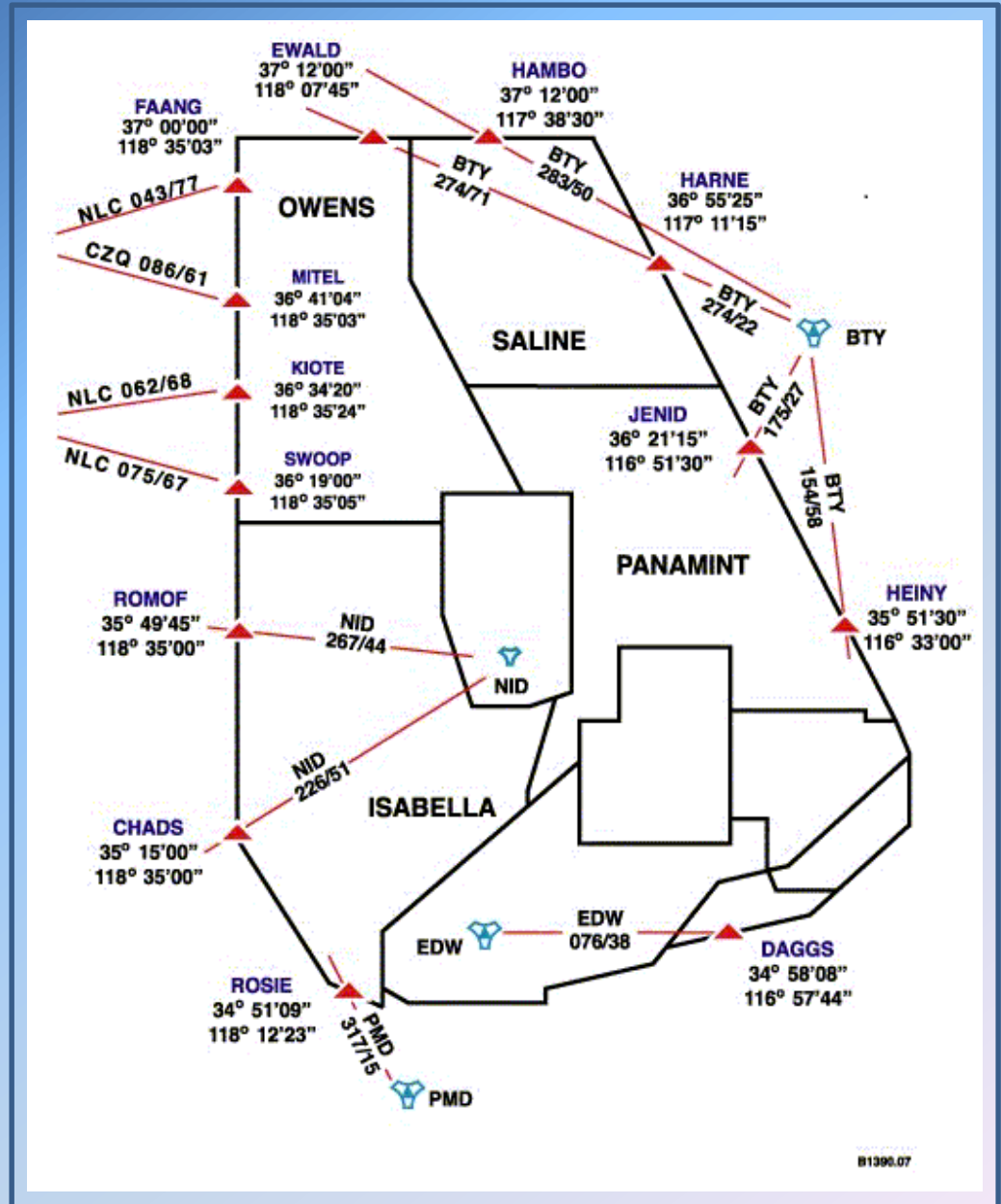




# R-2508 Annual Users Briefing

## 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.





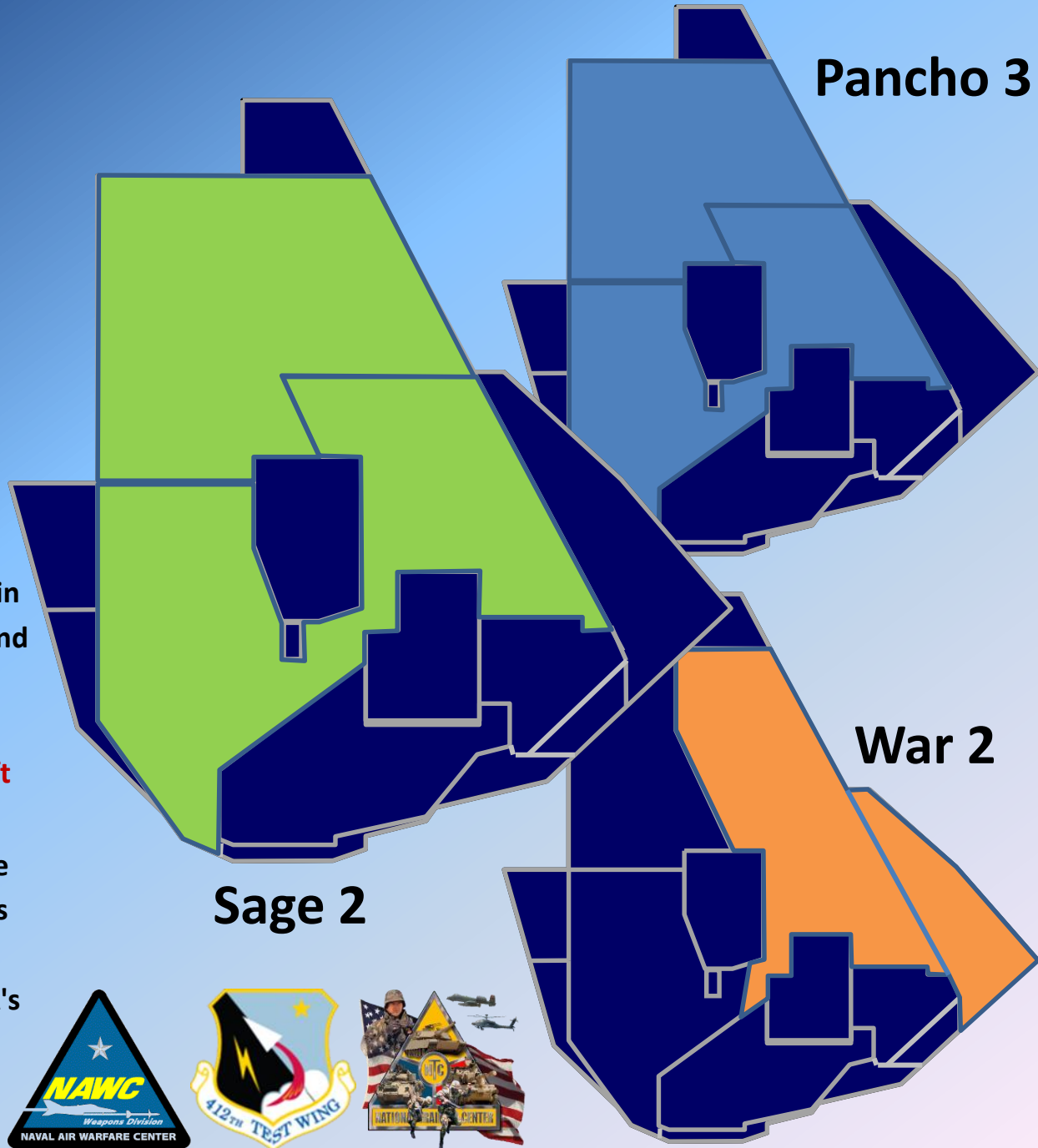
# R-2508 Annual Users Briefing

## 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 below FL230.





# R-2508 Annual Users Briefing

## 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





# R-2508 Annual Users Briefing

## 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

**R-2508 DAILY ACTIVATION NOTIFICATION**  
16 April 2010

AREA	FROM	TO	OVERFLIGHT ALT	REMARKS
02E		07000	240	
		07100	300	
		07000	HOT	
		07110	HOT	
		07110	HOT	
			RLSD	
			NOT RLSD	
			RLSD	

**R-2508 CENTRAL COORDINATING FACILITY**  
EDWARDS AIR FORCE BASE, CALIFORNIA  
**AIRSPACE "RELEASE AND RECALL"**  
After Hours Phone Number: 1-866-805-2851

Page 2 of 2

II. (Contd.) MDA/ATCAA Release and Recall

AREA	ACTIVATED FROM	ACTIVATED TO	AT/OR BELOW ALT	REMARKS
Panamint	090100	090200	300	
	090200	090500	400	
	090500	090515	290	
	090515	090530	130	
	090530	090600	300	
	090100	090200	400	
Saline	090200	090500	300	
	090500	090515	290	
	090515	090530	130	
	090530	090600	300	
Shoshone MDA	090200	090500	300	
Shoshone North ATCAA	090200	090500	300	

**R-2508 CENTRAL COORDINATING FACILITY**  
EDWARDS AIR FORCE BASE, CALIFORNIA  
**AIRSPACE "RELEASE AND RECALL"**  
After Hours Phone Number: 1-866-805-2851

Page 1 of 2

I. Restricted Area Release and Recall for period starting 090100Z April 2010

AREA	RELEASED FROM	RELEASED TO	AT/OR ABOVE ALT	REMARKS
R-2502E	090100	091300		
R-2502N	090100	091300	240	
R-2502A	090100	091300	290	
R-2505	090100	091300	RLSD	
ITX SHELF	090100	091300	110	
R-2506	090100	091300	RLSD	
R-2508	090100	091300	RLSD	
R-2515	090100	091300	RLSD	
	090100	091300	RLSD	
R-2524	090401	090400	HOT	
	090615	090614	HOT	
	090701	090700	060	
	090100	091300	HOT	
	090100	091300	060	
	090100	091300	050	

II. MDA/ATCAA Release and Recall

AREA	ACTIVATED FROM	ACTIVATED TO	AT/OR BELOW ALT	REMARKS
Barstow East ATCAA	090100	090515	230	
Barstow MDA	090100	090515	180	
Barstow West ATCAA	090100	090515	300	
Bishop MDA	090100	090200	180	
Buckhorn MDA/ATCAA	090100	090530	180	
Isabella	090500	090500	300	
	090100	090530	300	
	090330	090330	100	
	090500	090500	420	
	090515	090515	400	
Owens	090530	090530	300	
	090100	090600	290	
	090330	090330	130	
	090500	090500	420	
	090515	090515	400	
	090530	090530	300	
	090600	090600	290	
	090330	090330	130	







# R-2508 Annual Users Briefing

## 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



AGR011		2145	S, T, SHN, Ø2N, Ø2E, SHS, SH	29Ø		
F16	LSV					
1F3Ø3824G33891						

RADER51		153Ø	I, O, S, T, BI	29Ø		
F18	NLC					
1F3Ø3456G33851						

XPERT11		15ØØ	I, O, S, T	35Ø		
F18	NLC					
1F3Ø3486G33852						





# R-2508 Annual Users Briefing

## SITREP

(R-2508 Situation Report)

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

2010-04-12 15:25 6612774798 P 2/2

**R-2508 SITUATION REPORT**

FROM: (OPTIONAL) LHO (MIDN) 452 AMW/SEF DSM: 447-4481 Ops 951-655-4481

TO: R-2508 Central Coordinating Facility 100 E. Sparks Dr. Edwards AFB CA 93524-8090 DSN: 527-2508 FAX: 527-4798

DATE RECEIVED: 4-12-2010 DATE OF REPORT: 4-12-2010

This form may be used by aircrews or controllers to submit any constructive information to improve the safety and efficiency of aviation operations in the R-2508 Complex. Identification of the drafter is optional. This form is intended for the reporting of circumstances/services that enhance or degrade the user's mission within the R-2508 Complex. This form will not be used to replace reports of situations that require submission of Hazardous Air Traffic Reports (HATR), Operational Air Hazard Reports (OHR), or Near Mid-Air Collision (NMAC) reports. This report should be submitted within 5 days of the incident to ensure availability of required data necessary to support analysis of the reported situation.

The information contained in this form is for military OFFICIAL USE ONLY and will be used for the exclusive purpose of improving air operations within the R-2508 Complex. No punitive or disciplinary action will be taken as a result of statements made on this form.

DATE/TIME SITUATION OCCURRED: MARCH 31, 2010 1400L

LOCATION SITUATION OCCURRED: BEARING MOONEN OTHER AIRCRAFT INVOLVED: MOONEN OTHER CALL SIGN: MOONEN

TYPE AIRCRAFT: C-17

CALL SIGN: SLAM

FREQUENCY: 124

ALTITUDE:

NARRATIVE:

---

**R-2508 SITUATION REPORT**

FROM: (OPTIONAL) Frontline Manager Joshua Approach

TO: R-2508 Central Coordinating Facility 100 E. Sparks Dr. Edwards AFB CA 93524-8090 DSN: 527-2508 FAX: 527-4798

DATE RECEIVED: DATE OF REPORT: 08/19/09

This form may be used by aircrews or controllers to submit any constructive information to improve the safety and efficiency of aviation operations in the R-2508 Complex. Identification of the drafter is optional. This form is intended for the reporting of circumstances/services that enhance or degrade the user's mission within the R-2508 Complex. This form will not be used to replace reports of situations that require submission of Hazardous Air Traffic Reports (HATR), Operational Air Hazard Reports (OHR), or Near Mid-Air Collision (NMAC) Reports. Request this report be submitted within 5 days of the incident to ensure availability of data required to support analysis of the reported situation.

The information contained in this form is for military OFFICIAL USE ONLY and will be used for the exclusive purpose of improving air operations within the R-2508 Complex. No punitive or disciplinary action will be taken as a result of statements made on this form.

DATE/TIME SITUATION OCCURRED: 08/19/09 14:49Z

LOCATION SITUATION OCCURRED: IYK / Panamint

OTHER AIRCRAFT INVOLVED: COSO31 F18

SIGN (S) IF KNOWN: JOSHUA APPROACH

AG AGENCY: JOSHUA APPROACH

RECCURRENCE: Add additional sheets as necessary.

NARRATIVE: (Be as complete as possible. Include recommendations to prevent recurrence. Add additional sheets as necessary.)

Joshua Approach that he was working with CROOK47 was a participant and a range briefing (ASC Ranges) and that then proceeded to Panamint and joined numerous aircraft. China Lake is bending the rules. This is not fair to the players to understand the rules. And is not safe.

---

**R-2508 SITUATION REPORT**

FROM: (OPTIONAL)

TO: R-2508 Central Coordinating Facility 100 E. Sparks Dr. Edwards AFB CA 93524-8090 DSN: 527-2508 FAX: 527-4798

DATE RECEIVED: DATE OF REPORT:

This form may be used by aircrews or controllers to submit any constructive information to improve the safety and efficiency of aviation operations in the R-2508 Complex. Identification of the drafter is optional. This form is intended for the reporting of circumstances/services that enhance or degrade the user's mission within the R-2508 Complex. This form will not be used to replace reports of situations that require submission of Hazardous Air Traffic reports (HATR), Operational Air Hazard Reports (OHR), or Near Mid Air Collision (NMAC) reports. This report should be submitted within 5 days of the incident to ensure availability of required data necessary to support analysis of the reported situation.

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DATE/TIME SITUATION OCCURRED:

LOCATION SITUATION OCCURRED:

OTHER AIRCRAFT INVOLVED:

OTHER CALL SIGN(S) IF KNOWN:

CONTROLLING AGENCY:

NARRATIVE: (Be as complete as possible. Include recommendations to prevent recurrence. Add additional sheets as necessary.)

Return by Fax: 661-277-4798, DSN 527-4798 or E-mail: 2508ccf@edwards.af.mil





# R-2508 Annual Users Briefing

## 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



UNCLASSIFIED

Site Actions Browse Page

R-2508 Complex Enhanced Advisory Service

Home

Libraries  
AFKN\_Docs

Lists  
Announcements  
Calendar

Links  
Tasks

Discussions

Recycle Bin  
 All Site Content

Image Viewer

To link to an image, open the tool pane and then type a URL in the **Image Link** text box.

Welcome to your site

AFKN\_Docs

<input type="checkbox"/> Select	Type	Name	Modified	<input type="checkbox"/> Modified By
	Folder	R-2508 24 Hour Schedule	5/23/2013 21:23	Blankenship, Andrew D CTR USAF AMC AMC/AFLCMC ESC HIB ADM
	Folder	R-2508 Daily Brief Sheet	5/23/2013 21:23	Blankenship, Andrew D CTR USAF AMC AMC/AFLCMC ESC HIB ADM
	Folder	R-2508 Documents	5/23/2013 21:23	Blankenship, Andrew D CTR USAF AMC AMC/AFLCMC ESC HIB ADM
	Folder	R-2515 Documents	7/2/2013 11:05	SANDERS, MARVIN D CIV USAF AFMC 412 OSS/OSCC
	Folder	Sidewinder Low Level Route	5/23/2013 21:23	Blankenship, Andrew D CTR USAF AMC AMC/AFLCMC ESC HIB ADM
	Image	SAMPLE dd2875	8/13/2013 11:00	SANDERS, MARVIN D CIV USAF AFMC 412 OSS/OSCC

Add document

## 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



# R-2508 Annual Users Briefing

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 Complex User's Handbook  
17 January 2011

R-2508 PILOT GUIDE  
January 5, 2010

R-2508 COMPLEX AIRSPACE REQUEST

R-2508 Complex Airspace Map

R-2508 Central Coordinating Facility  
Users Handbook 2012, Version 1.1

**R-2508 Complex Airspace Management Office**  
Central Coordinating Facility (CCF)  
100 E. Sparks Drive, Edwards AFB, CA 93524  
Comm: (661) 277-2508, DSN: 527-2508, Fax: 4798

Ref: R-2508 Complex User's Handbook, View and download at: <http://www.edwards.af.mil/r-2508.asp>

**ANNUAL BRIEFING REQUIREMENT:**  
All units must complete a face-to-face R-2508 Complex procedure brief from CCF, or their Sponsor/Command, prior to flying in R-2508 Complex airspace.

**SCHEDULING:**  
All activities must be scheduled. Enter the Complex -30 min to +1 hr of scheduled time.

- Schedule with CCF by 1700L one working day prior to the date of intended use.
- Schedule ALL weekend/holiday events: 24/7 1700 (L) the last working day prior.
- Changes to previously scheduled events: shall be coordinated with CCF 900-1800 local, daily. After hours call: 1-866-805-2811.

**DD Form 175, Military Flight Plans:**  
File two IFR legs: one to enter, and one to exit the Complex. File R-2508 as the destination or departure point. DO NOT file a delay in R-2508.

**CONCEPT OF OPERATIONS:**

Pilots entering R-2508 and associated MOAs which require the pilot to enter in order to receive a clearance to operate in the R-2508 Complex must be advised in writing, in person or via electronic means in order to be cleared to operate in the R-2508 Complex.

All transient pilots will normally receive a SAGE 2 clearance prior to entering the R-2508 Complex. Pilots who are not cleared to enter the R-2508 Complex are not to be cleared to enter the R-2508 Complex.

Personnel and pilot activity occurs daily in the Edwards City Area and John Muir Wilderness Areas is restricted to overflight below 3,000' AGL.

The R-2508 Complex is used by many tactical fighter type aircraft that normally operate from 10,000' AGL and higher. Altitude activity is coordinated within the MOA complex. Transients are typically operating with the lowest MOA.

The R-2508 Handbook can be found and downloaded from the Web at: <http://www.edwards.af.mil/r-2508.asp>

To schedule and receive a complete R-2508 Airspace brief, contact the Central Coordinating Facility (CCF) at: (661) 277-2508. FAX: (661) 277-4798.

I hereby acknowledge and will comply with these procedures:

User: \_\_\_\_\_ Date: \_\_\_\_\_  
 Return this document by FAX to CCF at DSN 527-4798 or Comm 661-277-4798

**R-2508 PILOT GUIDE**  
January 5, 2010

**R-2508 Complex Airspace Management Office**  
Central Coordinating Facility (CCF)  
100 E. Sparks Drive, Edwards AFB, CA 93524  
Comm: (661) 277-2508, DSN: 527-2508, Fax: 4798

Ref: R-2508 Complex User's Handbook, View and download at: <http://www.edwards.af.mil/r-2508.asp>

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**DD Form 175, Military Flight Plans:**  
File two IFR legs: one to enter, and one to exit the Complex. File R-2508 as the destination or departure point. DO NOT file a delay in R-2508.

**CONCEPT OF OPERATIONS:**

Aircraft shall accept traffic advisories from JOSHUA Approach, China Control, or SPOT unless previously coordinated.

Work Area Frequencies:  
 ISABELLA 332.6 / 134.05  
 OWENS 323.2 / 126.66  
 SALINE 266.8 / 133.95  
 PANAMINT 291.6 / 120.25

Control Facility Frequencies:  
 JOSHUA 348.7 / 138.66  
 SPOT 343.7 / 132.75  
 China Control 301.0 / 128.25  
 Bicycle Lake 319.26 / 126.2

Low-level Procedures: Extended flight activities below 1,500 feet AGL in the Complex SHALL use 315.0 MHz to the maximum extent possible. This frequency is NOT monitored by ATC, calls are pilot to pilot only. Call entry, exit, and procedure points enroute.

**COMPLEX CLEARANCES:**  
All participating aircraft must contact Joshua Approach, to obtain a clearance, prior to operating in the Complex.

- SAGE 2, Isabella, Owens, Saline, and Panamint, FL290 and below.
- PANCHO 2, Isabella & Panamint FL400 and below; Owens & Saline FL290 and below.
- EDWARDS HAND A.C. Only. Also Barstow West FL500 and below, Barstow East FL230 and below.

The above...

schedule and receive approval from the Using Agency, NTC, or Irons. Operations in the Barstow MOA, Barstow East and West ATCAA's shall be the responsibility of the pilot to schedule with CCF. Requests, and clearances, to work in areas other than those listed above, will be issued ASAP.

**OVERFLIGHT RESTRICTIONS:**

- Overflight of Death Valley Mountain, Sequoia Kings Canyon National Parks, Dunes Land and John Muir Wilderness Areas is restricted to 3,000' AGL & JAWP, Isabella, Saline, and Panamint.
- Overflight of communities is restricted to 3,000' AGL unless operating on an approved test plan, charted support by 1,000' AGL or JNM, Mojave Airport Class D airspace (3,000' MSL).

**COMPLEX ACTIVITIES:**

- Refueling areas are NOT protected airspace. Non-participants avoid by EAM and 2,000L.
- Initial New ACIM and low-level training in the Owens, Saline, and northern Panamint work areas.
- Units participating in R-2508 exercises may exit north of the restricted area, Panamint for TP to TOT runs, and may not be in contact frequency.
- "Light-Off" operations are allowed in R-2508, R-2524, or R-2502/VE or as specified in the complex user's handbook.
- Flight operations are not allowed in internal restricted areas, coordinated with the restricted area...

Measures (ECHO) must be pre-approved by Spectrum Managers, before when scheduling. Only authorized in the R-2515 High-lifts corridor, schedule with EDV 9, Comm (661) 277-3940.

Operations in the Mojave, California City, & Airport areas, generally 12,000' up to Cal City, 17,500' MSL, and the southern Sonora FL180 and the Core Camp (200-400L).



# R-2508 Annual Users Briefing

## R-2508 Central Coordinating Facility



## Questions?

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

