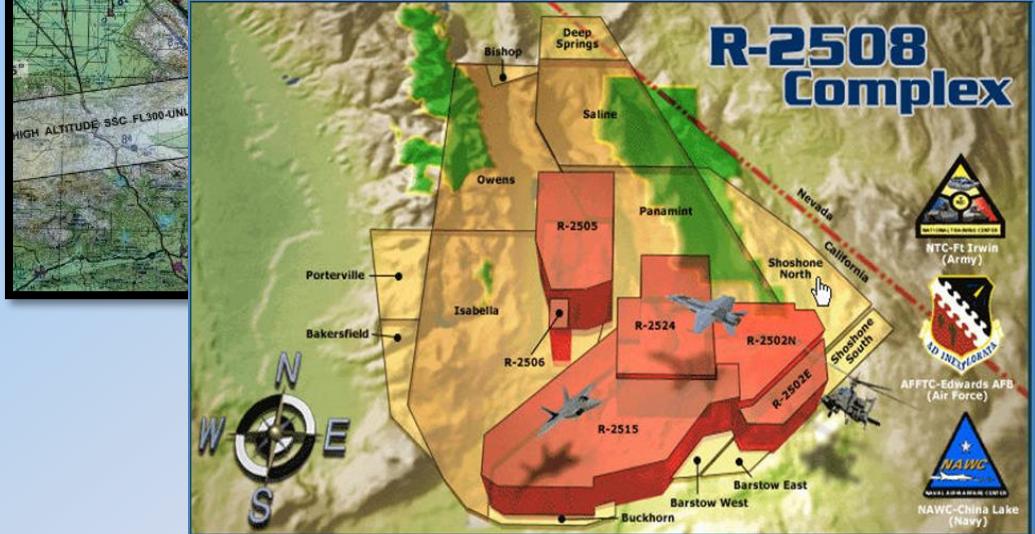
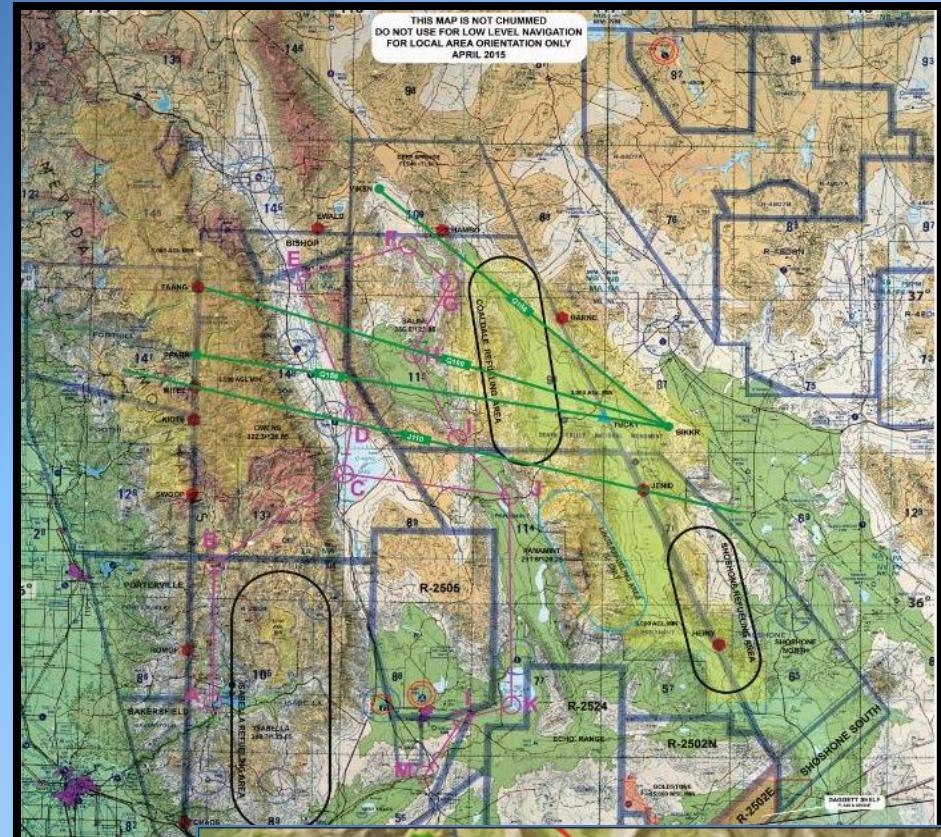




R-2508 Annual User's Brief 09 SEPTEMBER 2021

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 Brief

Restricted Areas:

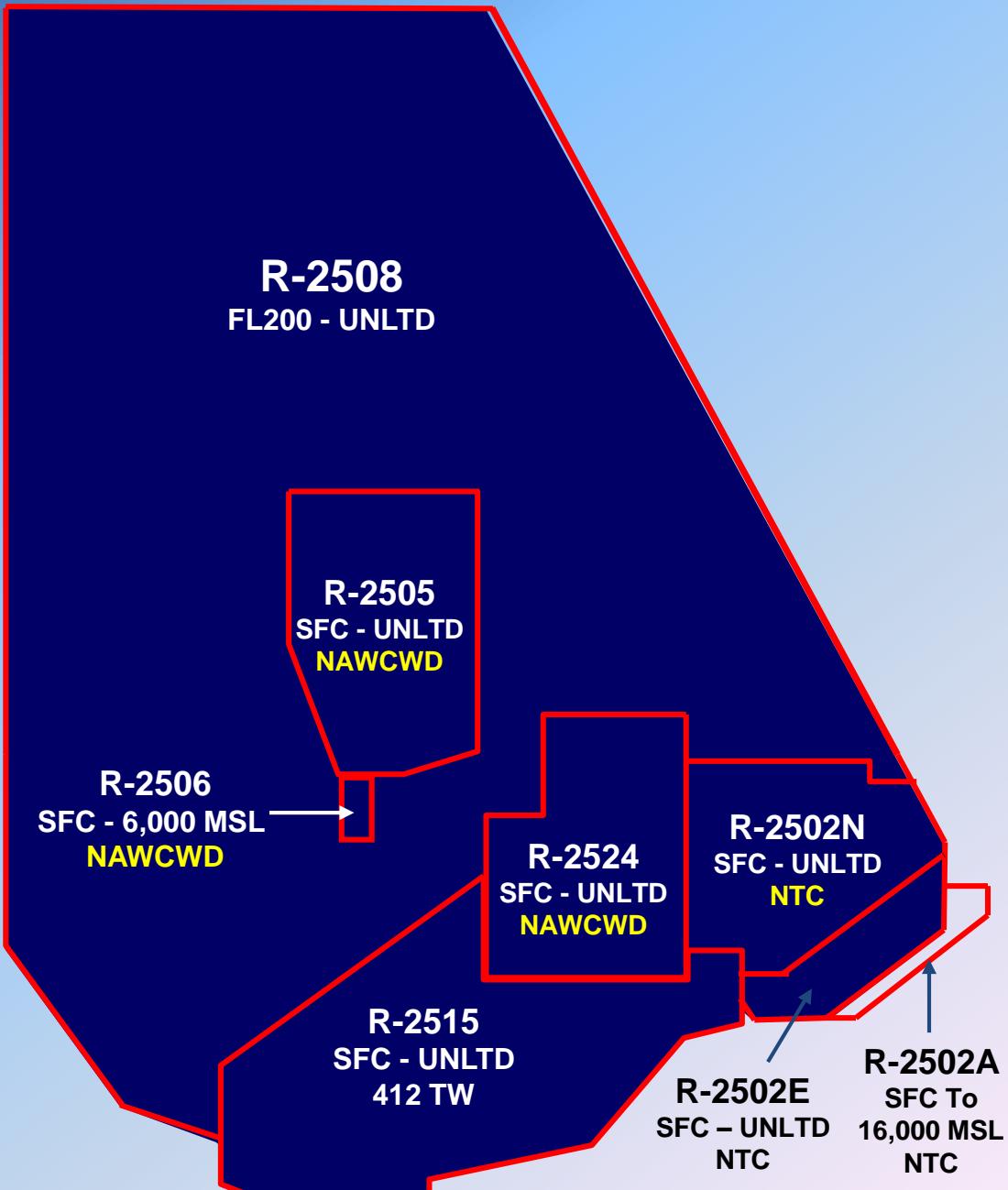
- Schedule R-2508 with CCF
- Schedule Internal Restricted Areas with Using Agency and CCF To Transit MOA/ATCAA Airspace

Using Agencies:

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

R-2515: 412TW

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





R-2508 Annual Users Brief

MOA & ATCAA Airspace

Military Operations Areas & Air Traffic
Control Assigned Airspace

JOSHUA APPROACH

Frequencies:

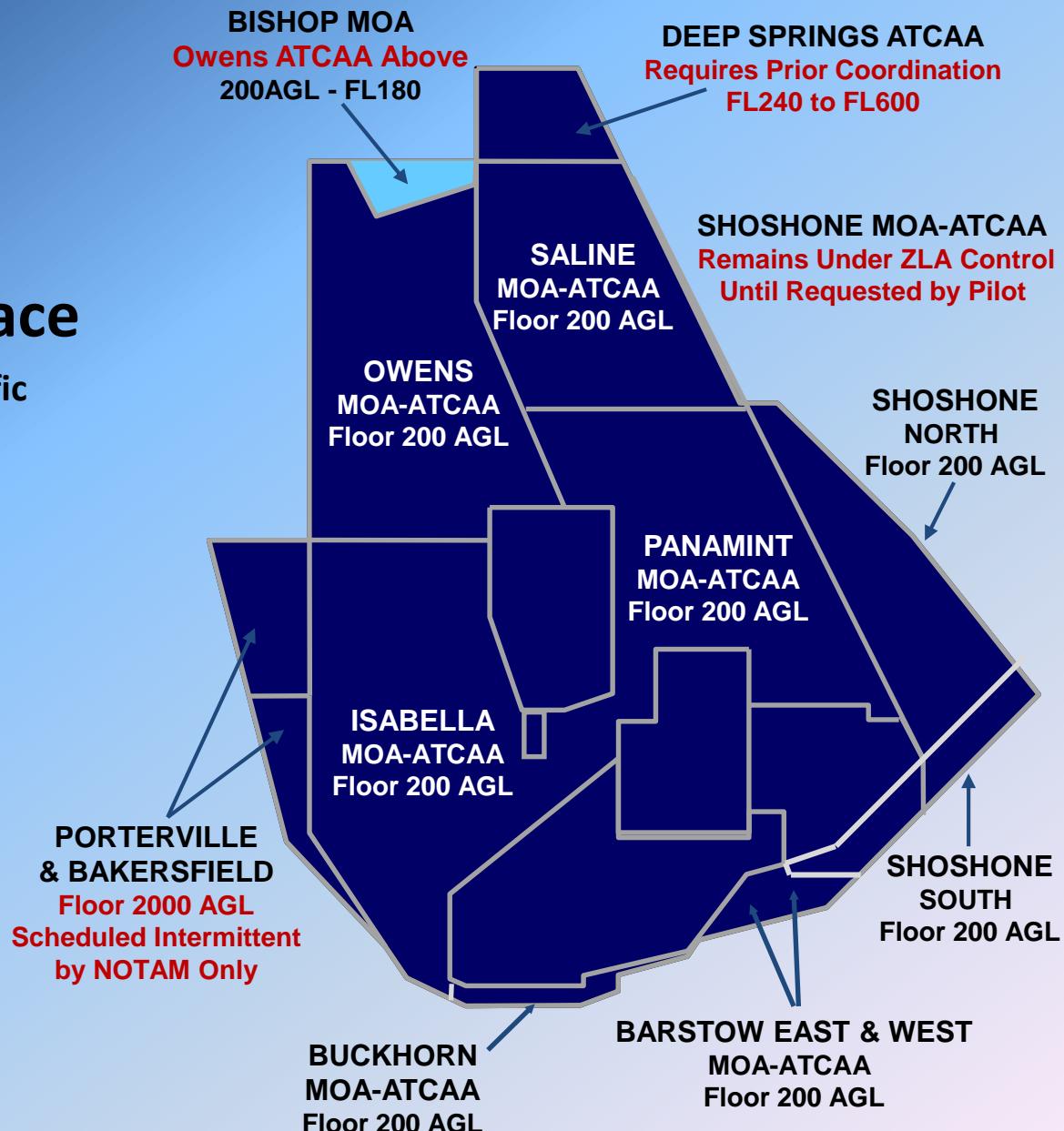
Joshua Primary ATC: 348.7/133.65

Isabella: 335.6/134.05

Owens: 322.3/126.55

Saline: 256.8/123.95

Panamint: 291.6/120.25





R-2508 Annual Users Brief

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 Brief

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 Brief



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 Brief

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**.





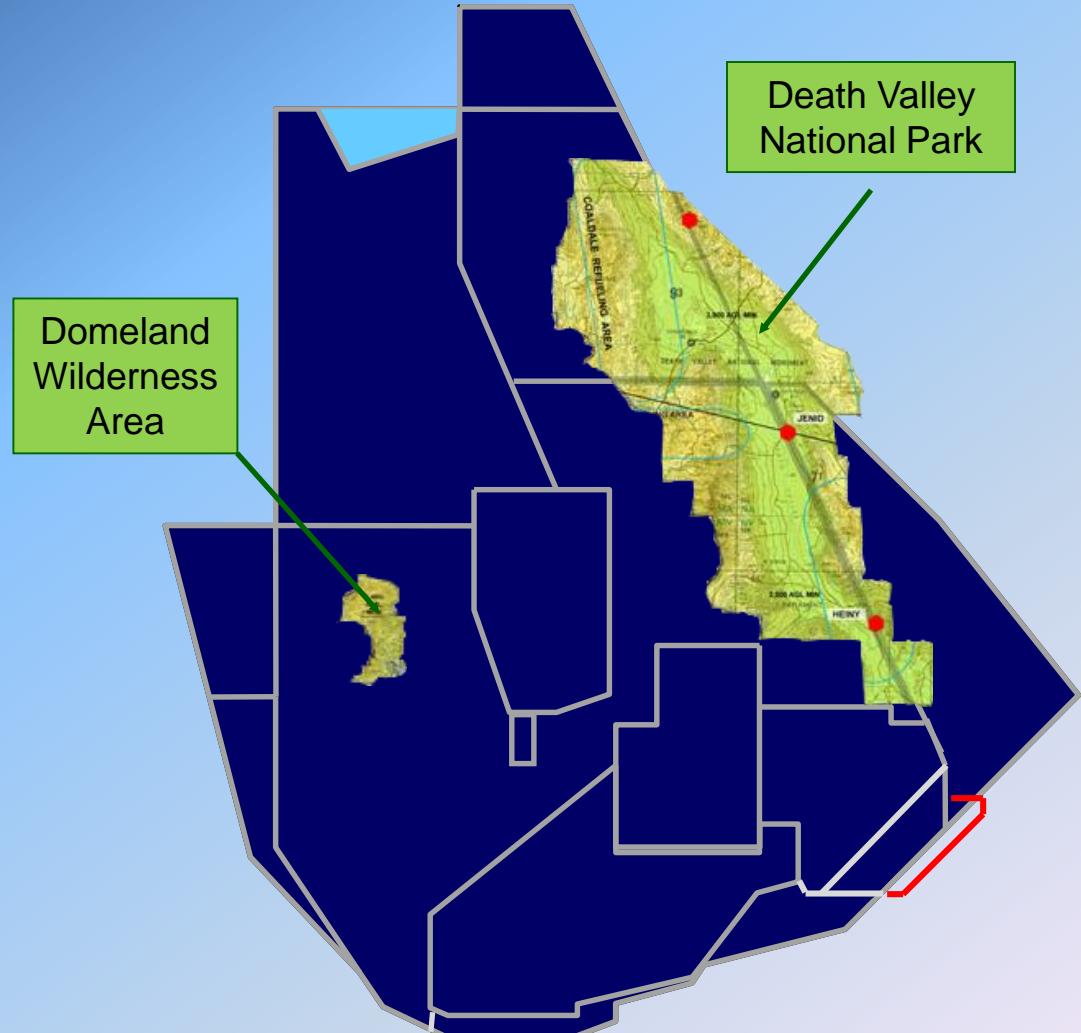
R-2508 Annual Users Brief

Overflight Restrictions of Death Valley National Park & Domeland Wilderness Area

Floor of MOA over Death Valley
National Park and Domeland
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
Death Valley National Park and Domeland Wilderness
Area...3,000 feet from Canyon Walls and Saddles



R-2508
Annual
Users Brief

Sequoia and Kings Canyon National Parks (SEKI)



- All participating aircrews maintain an altitude of **18,000'** or above over SEKI unless lower altitude is required.
 - If lower than **18,000'** is required 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' AGL within the boundaries of SEKI except in an emergency situation. Lateral separation from SEKI is 3000'.





R-2508 Annual Users Brief

Overflight Restrictions

Published Civil Airports:

- 1,500' AGL or 3 NM

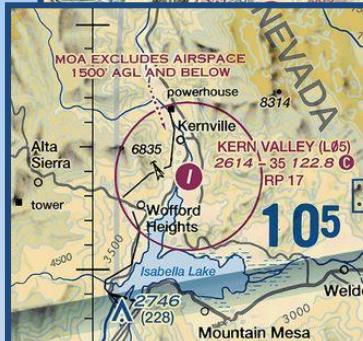
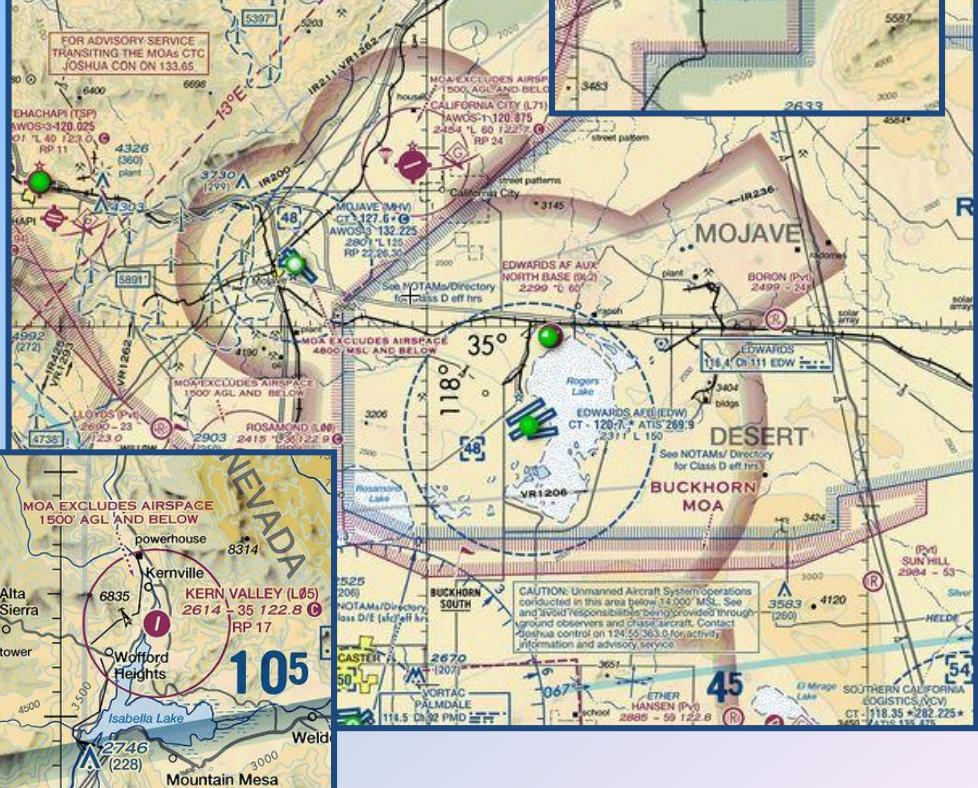
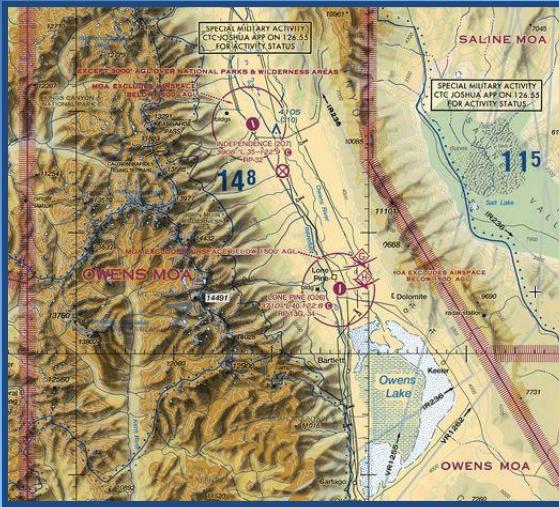
Mojave Air & Space Port Class D

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 Brief

Low Level Procedures

For sustained flight below 1,500' AGL

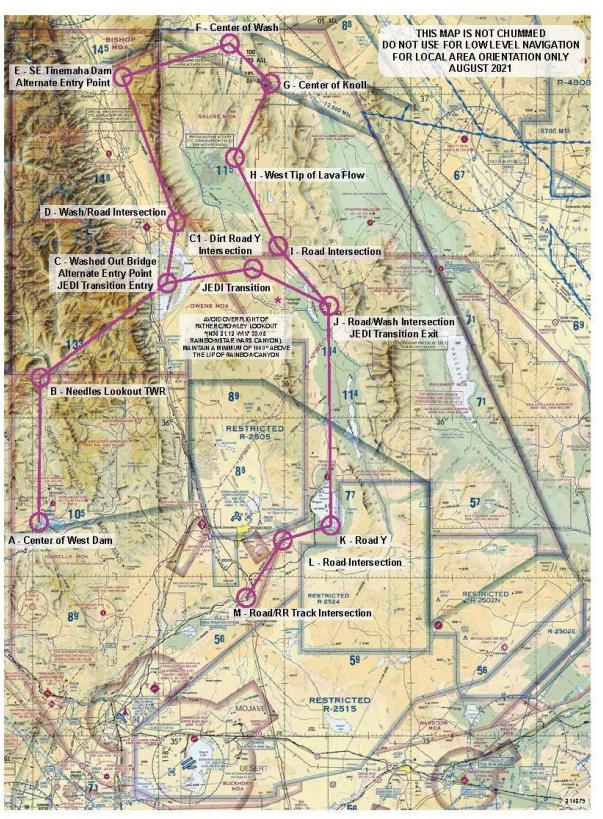
- Requires notification/check-in with JOSHUA Approach
- Operating frequency - 315.9 MHz, NOT Monitored by ATC/MRU
 - Use as Unicom for blind transmissions, pilot to pilot only
- State Call sign, type aircraft, location and intentions
- Provides cross frequency communication capability with Land Management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





R-2508 Annual Users Brief

Sidewinder Low Level (SWLL)



- Flown in clockwise direction (i.e. A, B, C).
- Opposite direction flight **PROHIBITED**.
- AVOID noise sensitive areas by 3,000' AGL (i.e. Olancho, Cartago, Keeler, Lone Pine, etc.).
- AVOID all airports by 1,500' AGL or 3 NM.
- CAUTION: Possible merging traffic from aircraft on Jedi Transition. Offset east of J for de-confliction. Mandatory radio call approaching J: "Callsign, Sidewinder, approach Point Juliet."
- JEDI TRANSITION: C to C1 to J
 - AVOID overflying Father Crowley Lookout (N36 21.12 W117 33.05)
 - Maintain at or above 1,000' above lip of Rainbow Canyon.
- To schedule: annotate SIDEWINDER to remarks section of R-2508 Airspace Request Form.

Additional Information In R-2508 User's Handbook



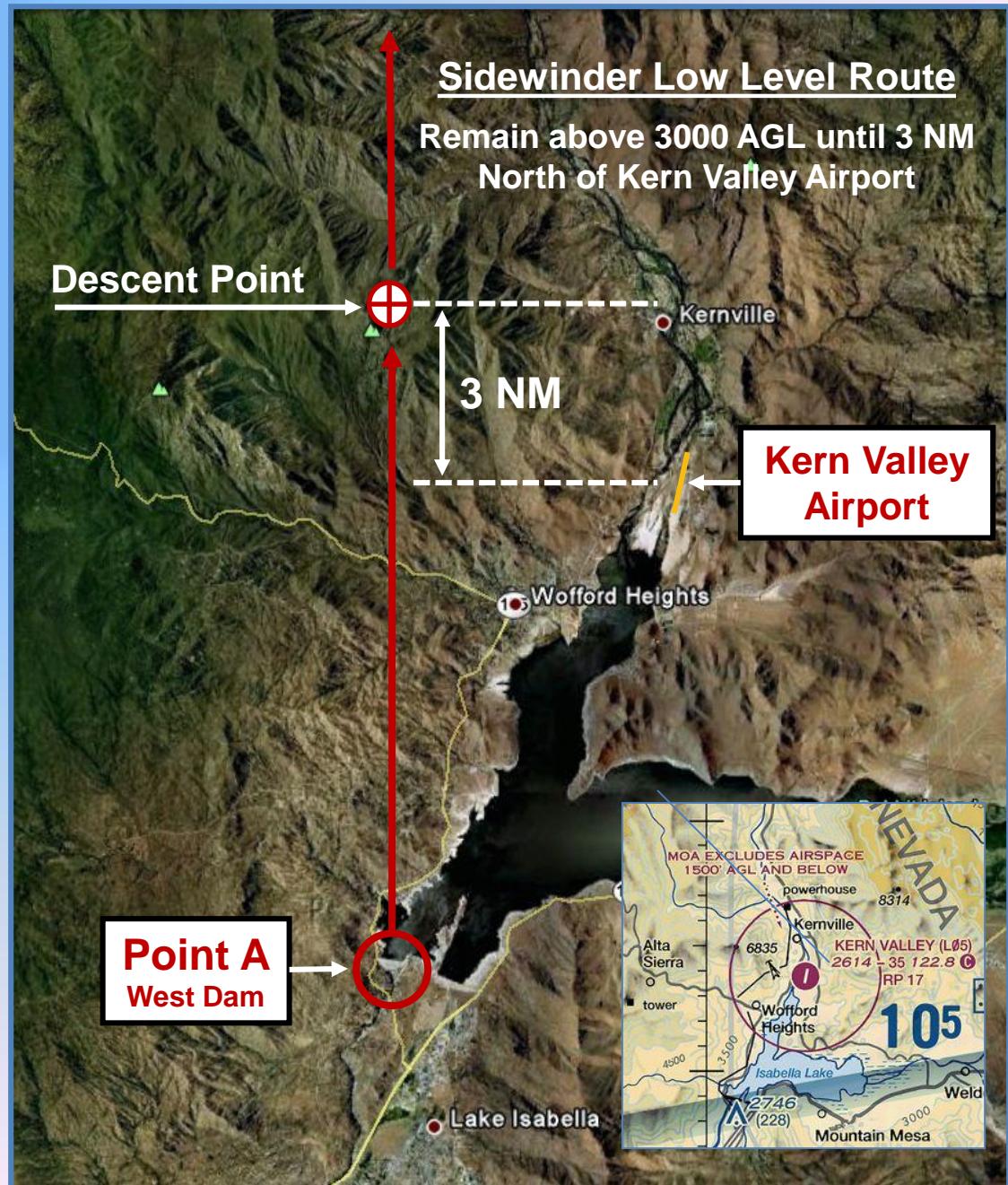


R-2508 Annual Users Brief

Noise & Low Level Complaints

Sidewinder Low Level Point Alpha to Descent Point

Remain above 3,000' AGL
until 3 NM North of Kern
Valley Airport to avoid
Lake Isabella and
surrounding Communities





R-2508 Annual Users Brief

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 Brief

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 Brief

NAS Lemoore/Fresno ANG

Ingress/Egress Routes

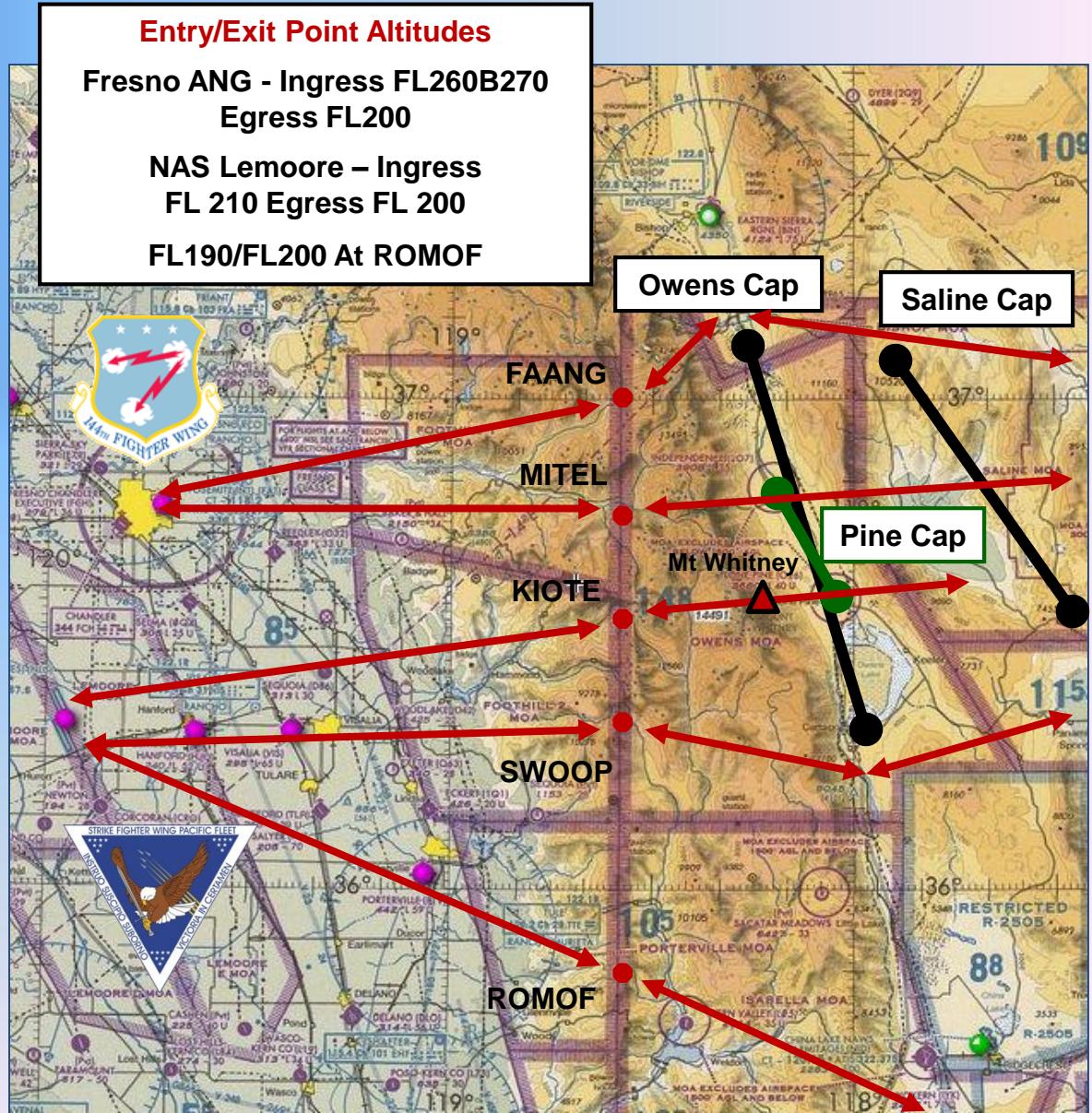
- NAS Lemoore
 - Entry/Exit via KIOTE & SWOOP FL180 or above only
 - Entry/Exit via ROMOF for Superior Valley at FL190/200 to avoid Isabella AR (ARISB)
- Fresno ANG
 - Entry/Exit via FAANG & MITEL FL180 or above only
 - Use FAANG to avoid Cap Points when active
- Other Uses
 - Be aware of heavy East/West 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 Brief

Large Force Exercises (LFE)

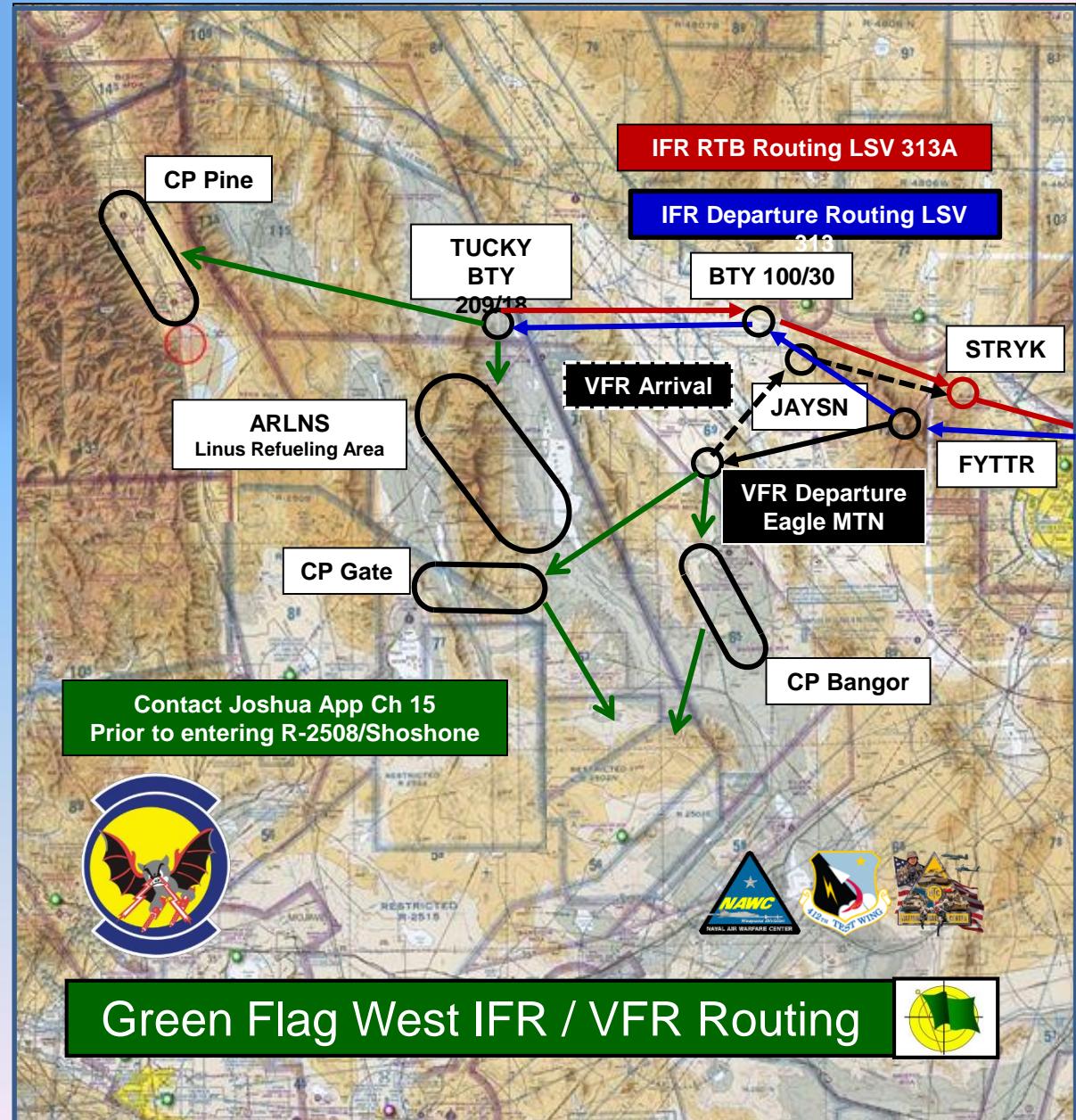
- LFEs are exercises involving more than 10 participating aircraft on target, working area, or as determined by CCF.
- **Common LFEs:** CVW, Orange Flag, etc.
- Published on the Daily Briefing Sheet at least 15 days in advance.
- LFE Planners:
 - Avoid peak Complex hours (1000-1400L).
 - Take advantage of CCF's knowledge and experience in coordinating LFEs.
 - CCF can provide recommendations to achieve mission success.
 - Early contact (recommended at least 30 days in advance) with CCF can prevent major last minute changes to exercise plans.



R-2508 Annual Users Brief

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

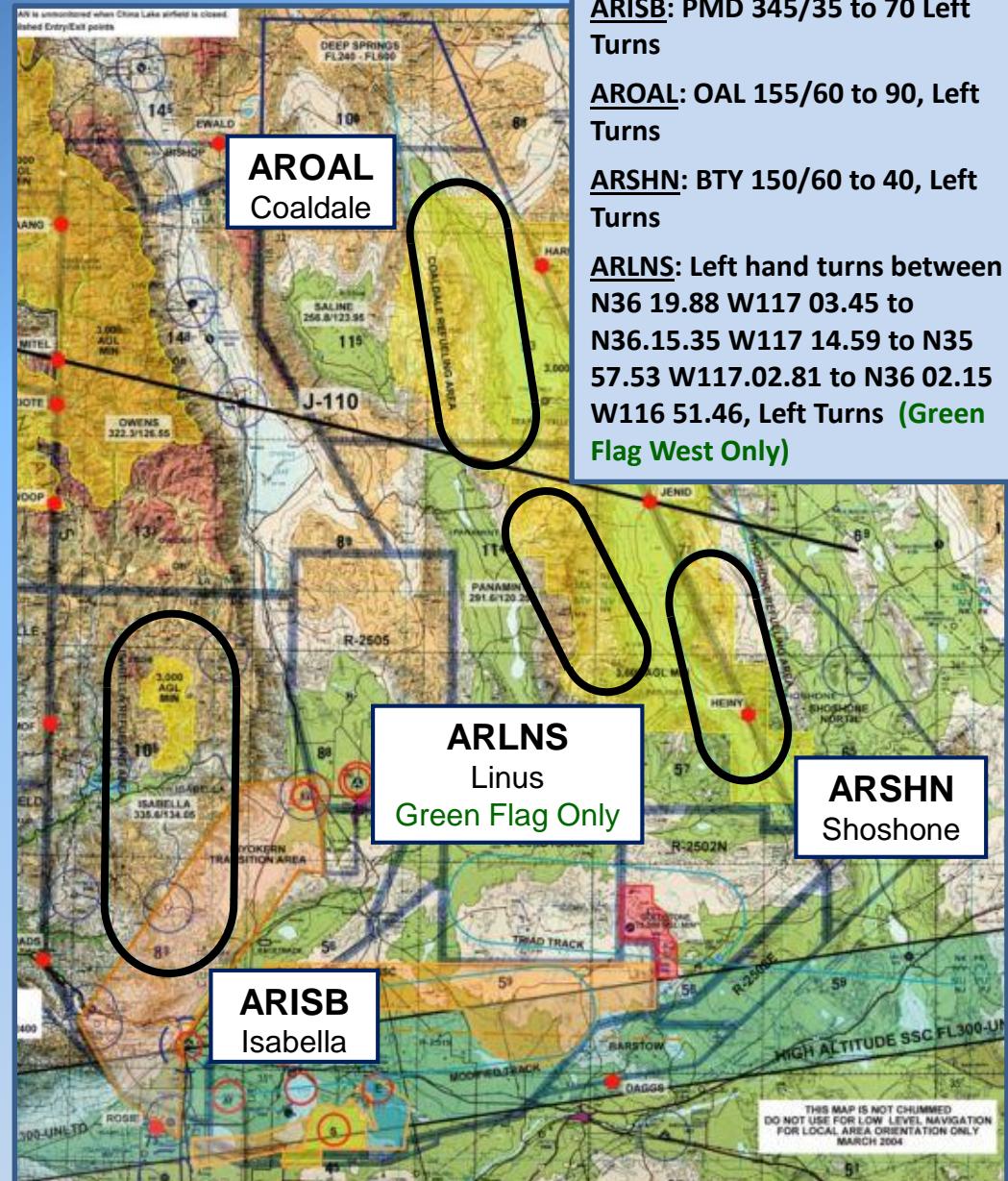




R-2508 Annual Users Brief

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





R-2508 Annual Tanker Brief

Special Activity Areas...

Weather Areas

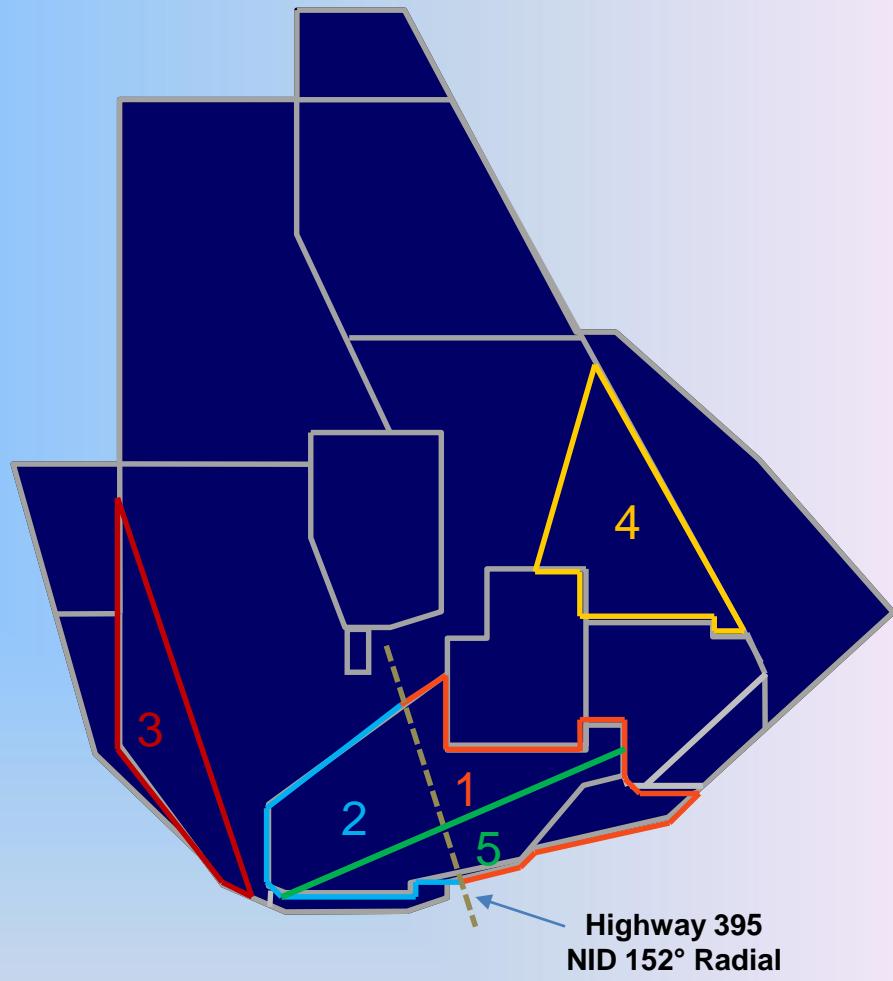
Area 1: Eastern Half of R-2515 Divided by Highway 395

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.

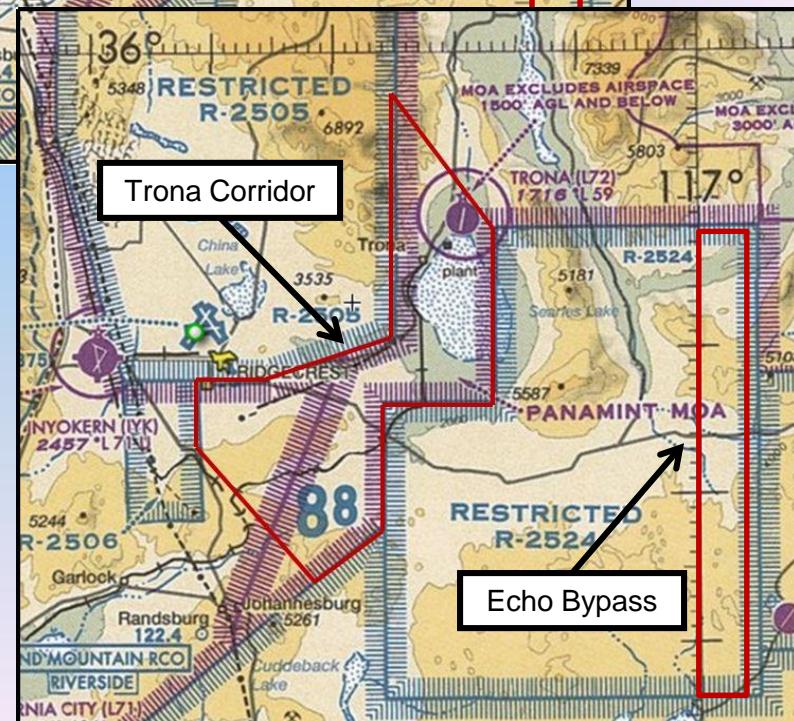
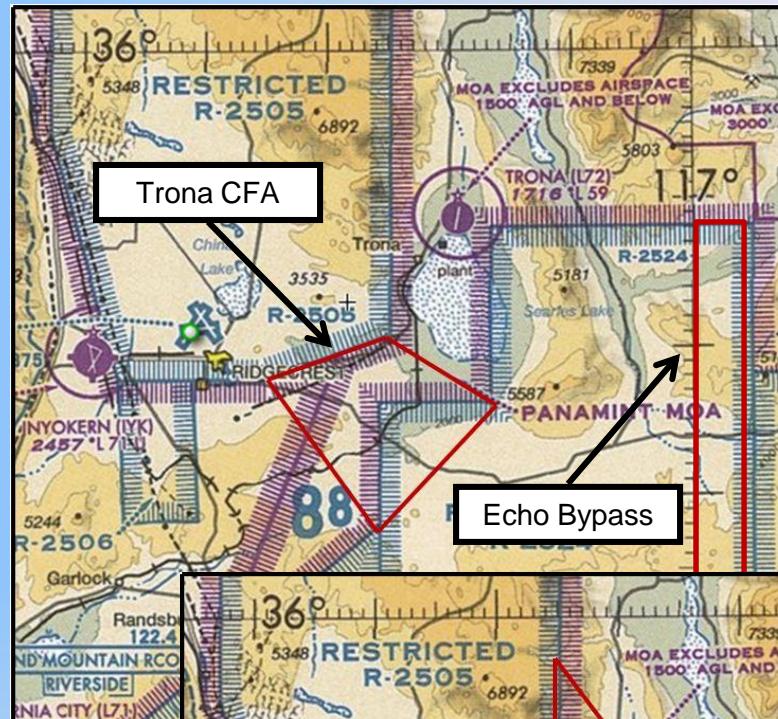




R-2508 Annual Users Brief

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

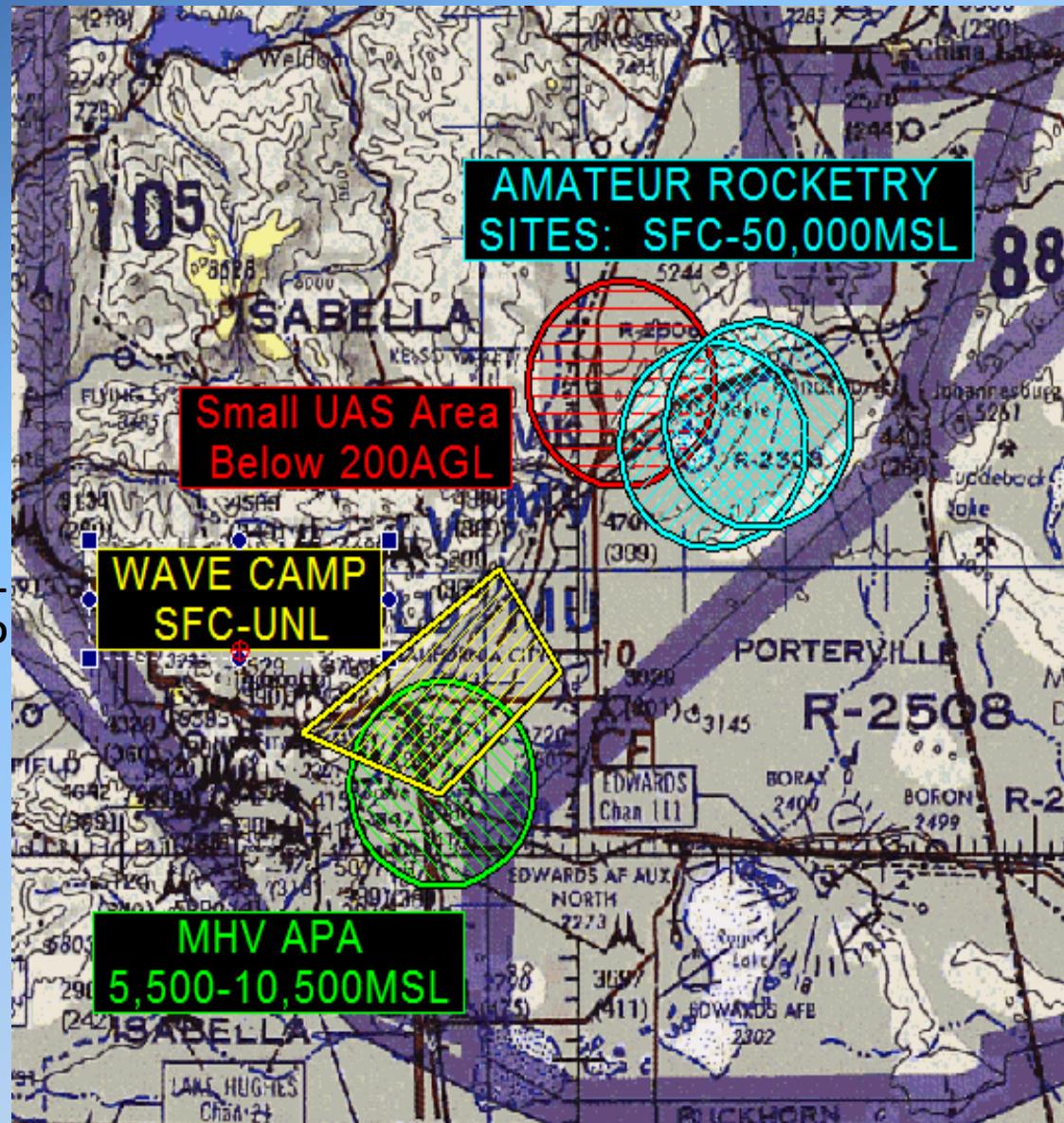




R-2508 Annual Users Brief

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

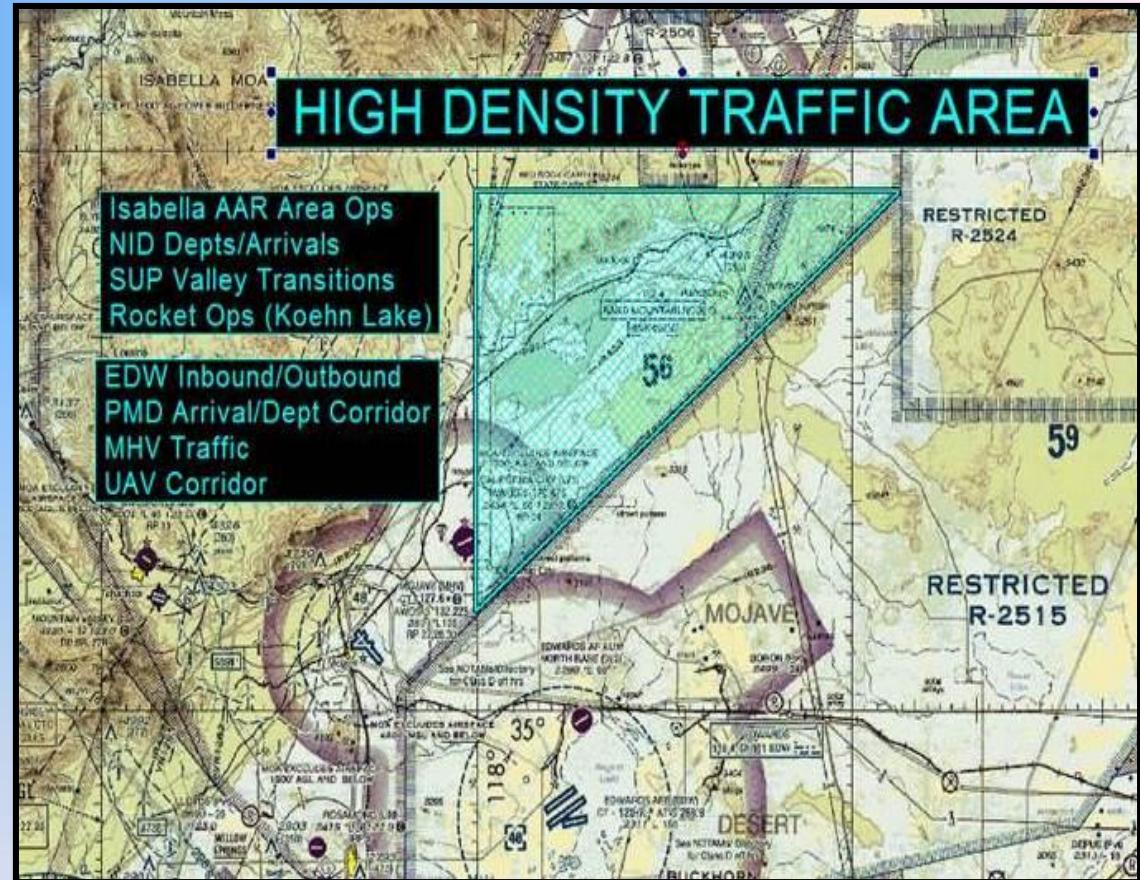




R-2508 Annual Users Brief

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

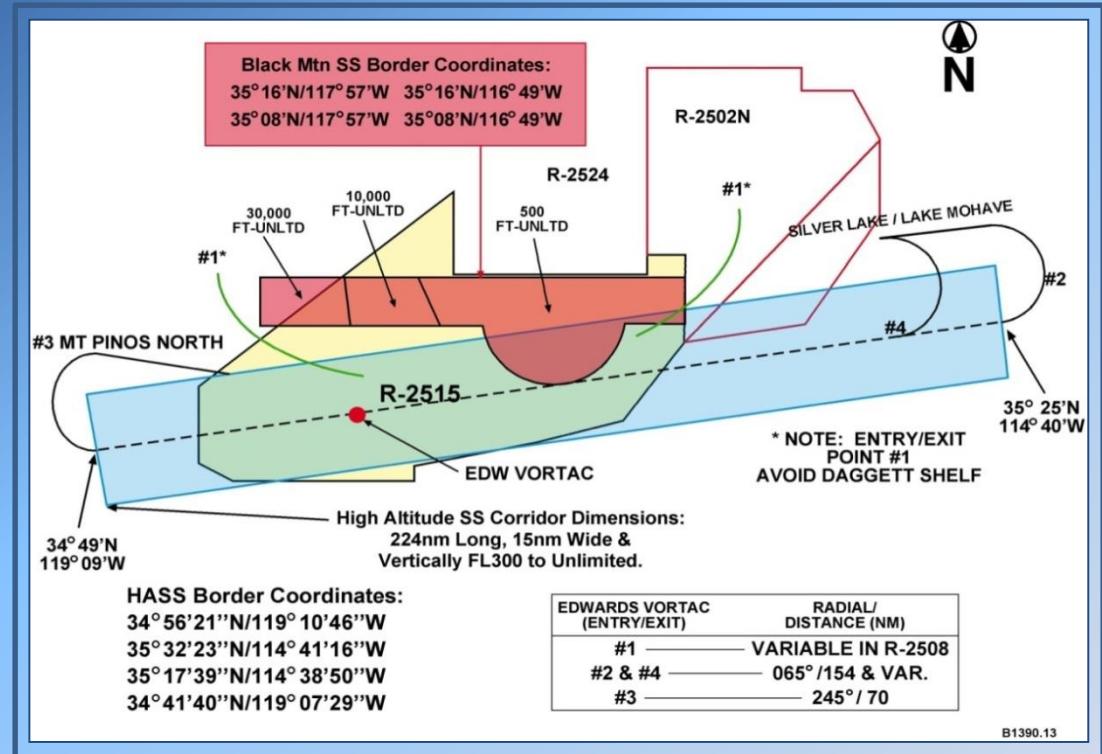




R-2508 Annual Users Brief

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.

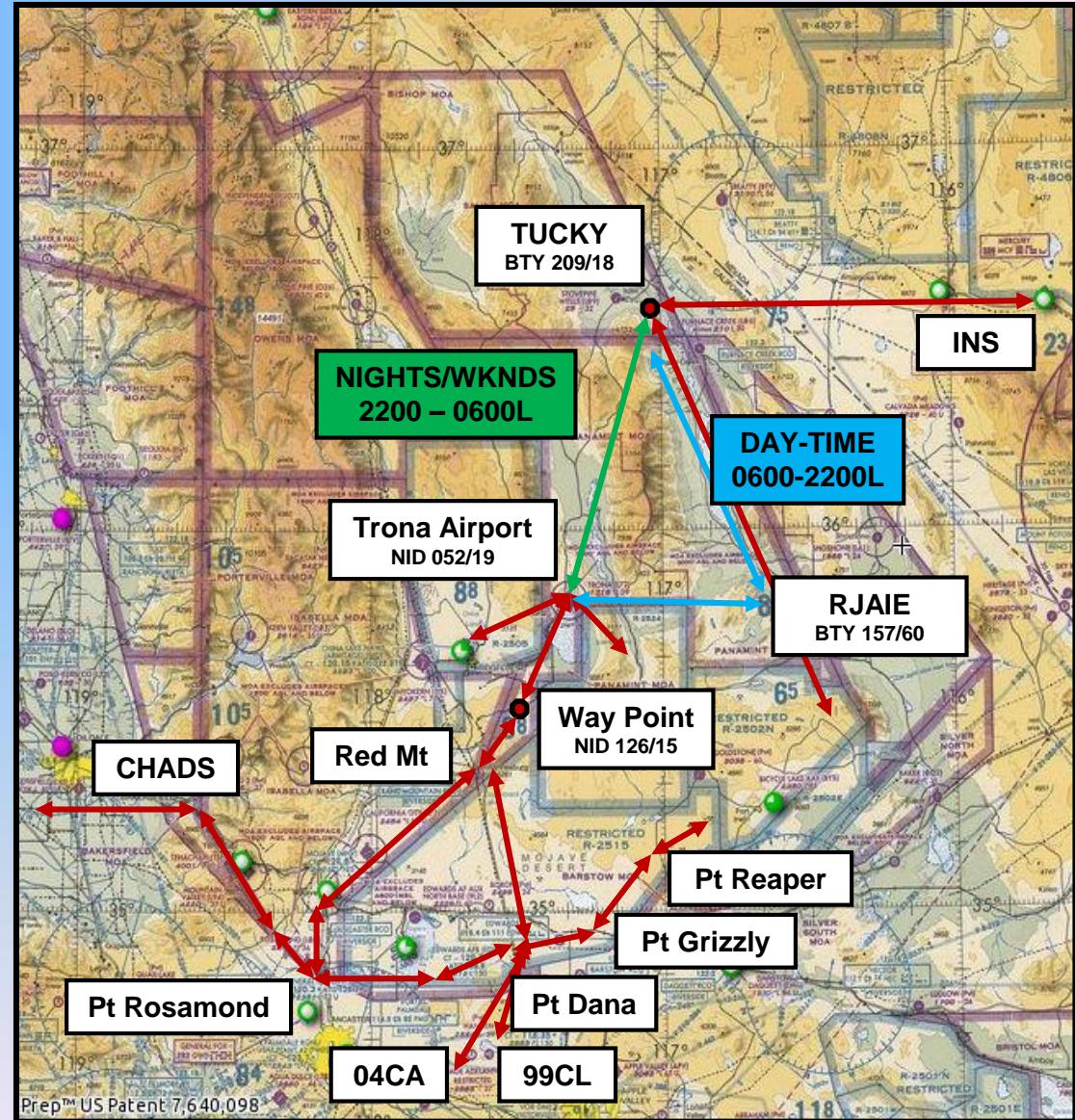




R-2508 Annual Tanker Brief

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 Brief

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 Brief

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

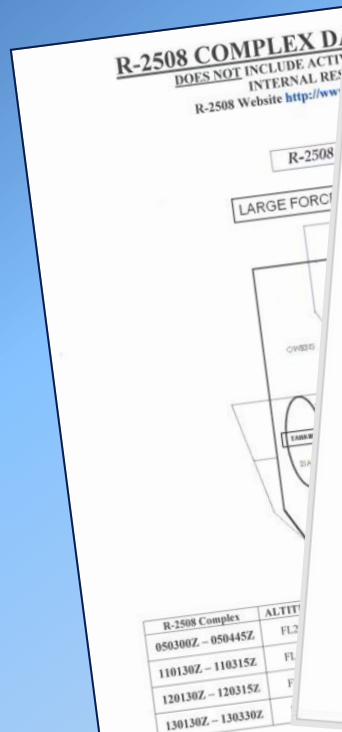




R-2508 Annual Users Brief

R-2508 Complex Daily Brief Sheet

- What's going on the next day
- 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/Home/R-2508>
USAF SharePoint: <https://USAF.DPS.MIL/TEAMS/12162>
CCF After Hours Support: 1-866-905-2851

02 AUGUST 19

GPS TESTING EVENTS

FAA Public Notice Website: http://www faasafety gov SPANS/notices_public.aspx

14 July - 02 August 2019, Nellis AFB, NV

15 July - 20 August 2019, Yuma, AZ

SCHEDULED REFUELING OPERATIONS

DATE/TIME (Z)	AREA	ALTITUDES	UNIT BASE
021600Z - 021700Z	ARISB	FL240 - FL260	EDW

SPECIAL ACTIVITIES/OPERATIONS

SWLL RESTRICTIONS

THE SWLL IS CLOSED FROM POINT "A" TO POINT "C" FOR FIRE FIGHTING ACTIVITIES.
YOU MAY ENTER AT POINT "C" TO PROCEED NORTH ON THE SWLL.

THE JEDI TRANSITION IS CLOSED FROM POINT "C" TO POINT "J". REMAIN CLEAR OF
POINT "J" FOR HELO OPERATIONS.

NATIONAL PARKS/FORESTRY SERVICE ACTIVITIES

CA-INF-1506 - CONCENTRATED ACTIVITIES - 301900Z - UFN
The NPS/FS will be conducting concentrated activities within a 5 mile radius of N36° 11' 58" and
W118° 16' 47". Altitude is at or below 3000 AGL.

NATIONAL PARKS/FORESTRY SERVICE ACTIVITIES

CA-INF-1436 CONCENTRATED ACTIVITIES - 261600Z - UFN
The NPS/FS will be conducting concentrated activities within a 7 NM radius of N36° 17' 06" and
W118° 13' 45". Altitude is at or below 4,000 feet AGL.

** 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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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	060200Z-060230Z	FL190	REAPER 1
051530Z-051600Z	FL200	060500Z-060530Z	FL190	GRIM 1

** 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.



R-2508 Annual Users Brief

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



AUTHORITY TO FILE FLIGHT PLAN		10 USC 8012 and 49 CFR 867 This form is accurate to the best of my knowledge and is being filed for my personal participation in the flight.		ROUTINE USE ROUTINE PROCESSING		ROUTINE RELEASE ROUTINE PROCESSING		ROUTINE RELEASE ROUTINE PROCESSING		ROUTINE RELEASE ROUTINE PROCESSING	
BASE OPERATIONS USE		To provide data required to process flight plans with representatives of air traffic control and other government agencies. A file number will be assigned to the flight plan by the flight processing system. However, failure to provide the data could result in denial of flight plan processing.		DISCLOSURE		DISCLOSURE		DISCLOSURE		DISCLOSURE	
TYPE PLAN	TRUE AIRSPEED	POINT OF DEPARTURE	PROPOSED DEPARTURE TIME (Z)	ALTITUDE							
ROUTE OF FLIGHT											
TO ETE											
REMARKS											
HONOR AND HONOR CODE											
FUEL ON BD		ALTN AIRFIELD		TE TO ALTN		NO AMS		WEATHER		SPECIALIST INITIALS	
SIGNATURE OF APPROVAL AUTHORITY											
DUTY PILOT IN COMMAND		CREWPASSENGER LIST		ATTACHED		NAME AND INITIALS		TIME STARTED		7. CRUISING ALTITUDE	
DD FORM 175, MAY 86		FAA USE ONLY		<input type="checkbox"/> PILOT BRIEFING		<input type="checkbox"/> STOPOVER		5. DEPARTURE POINT		6. DEPARTURE TIME	
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		FLIGHT PLAN		4. TRUE AIRSPEED		KTS		PROPOSED (Z)		ACTUAL (Z)	
1. TYPE <input type="checkbox"/> VFR <input type="checkbox"/> IFR <input type="checkbox"/> DVFR		2. AIRCRAFT IDENTIFICATION		3. AIRCRAFT TYPE / SPECIAL EQUIPMENT		10. EST. TIME ENROUTE		11. REMARKS		15. NUMBER ABOARD	
2. ROUTE OF FLIGHT						HOURS MINUTES					
8. DESTINATION (Name of airport and city)		12. FUEL ON BOARD		13. ALTERNATE AIRPORT(S)						17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)	
		HOURS		MINUTES						FSS ON ARRIVAL	
16. COLOR OF AIRCRAFT		CIVIL AIRCRAFT PILOTS: FAR Part 91 requires you to file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty not to exceed \$1,000 for each violation. (Section 901 of the Federal Aviation Act of 1958, as amended). Filing of a VFR flight plan is recommended as a good operating practice. See also Part 93 for requirements concerning D/VFR flight plans.									
CLOSE VFR FLIGHT PLAN WITH											
FAA Form 7233-1 (8-82) Electronic Version (Adobe)											

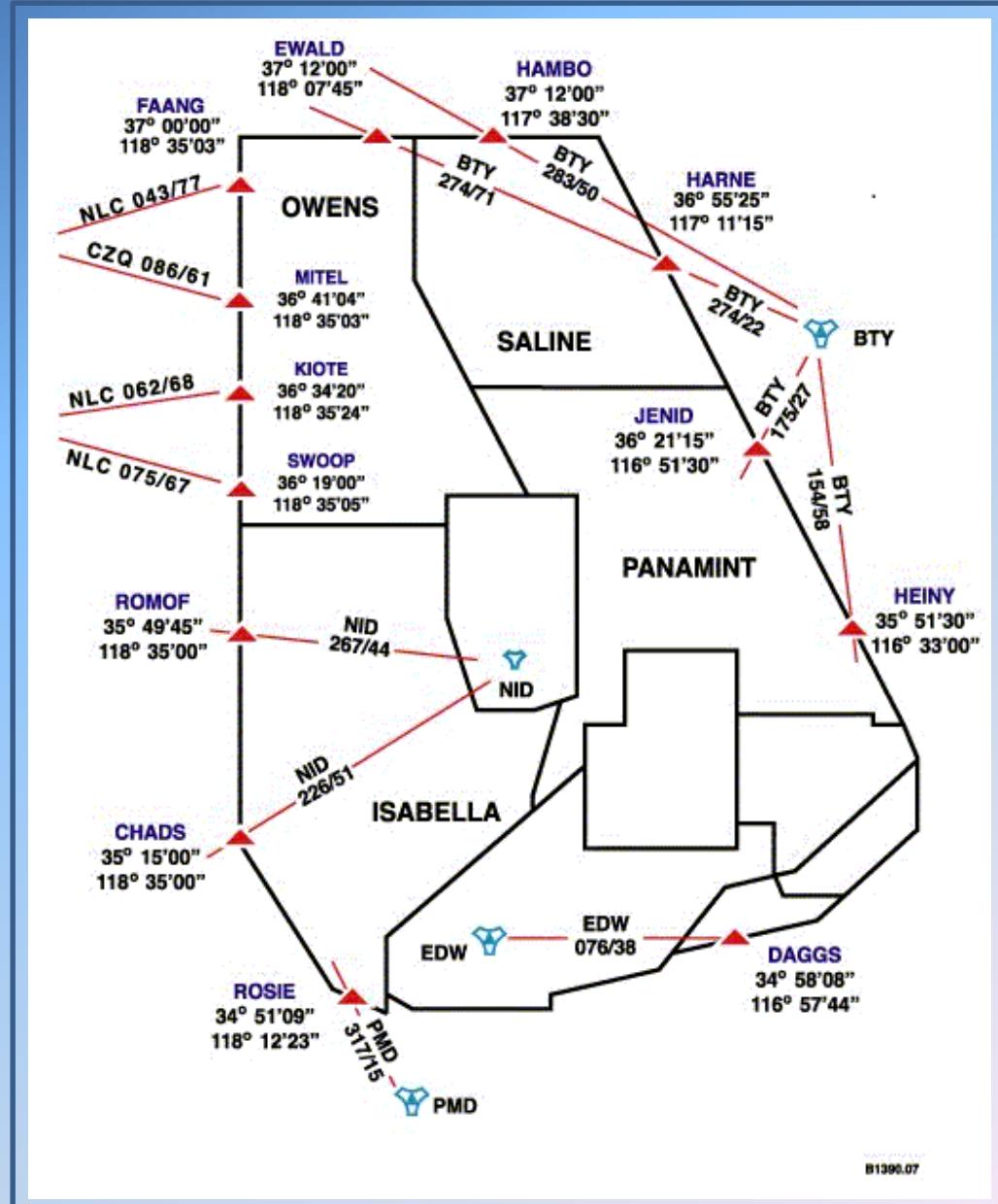


R-2508 Annual Users Brief

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 Brief

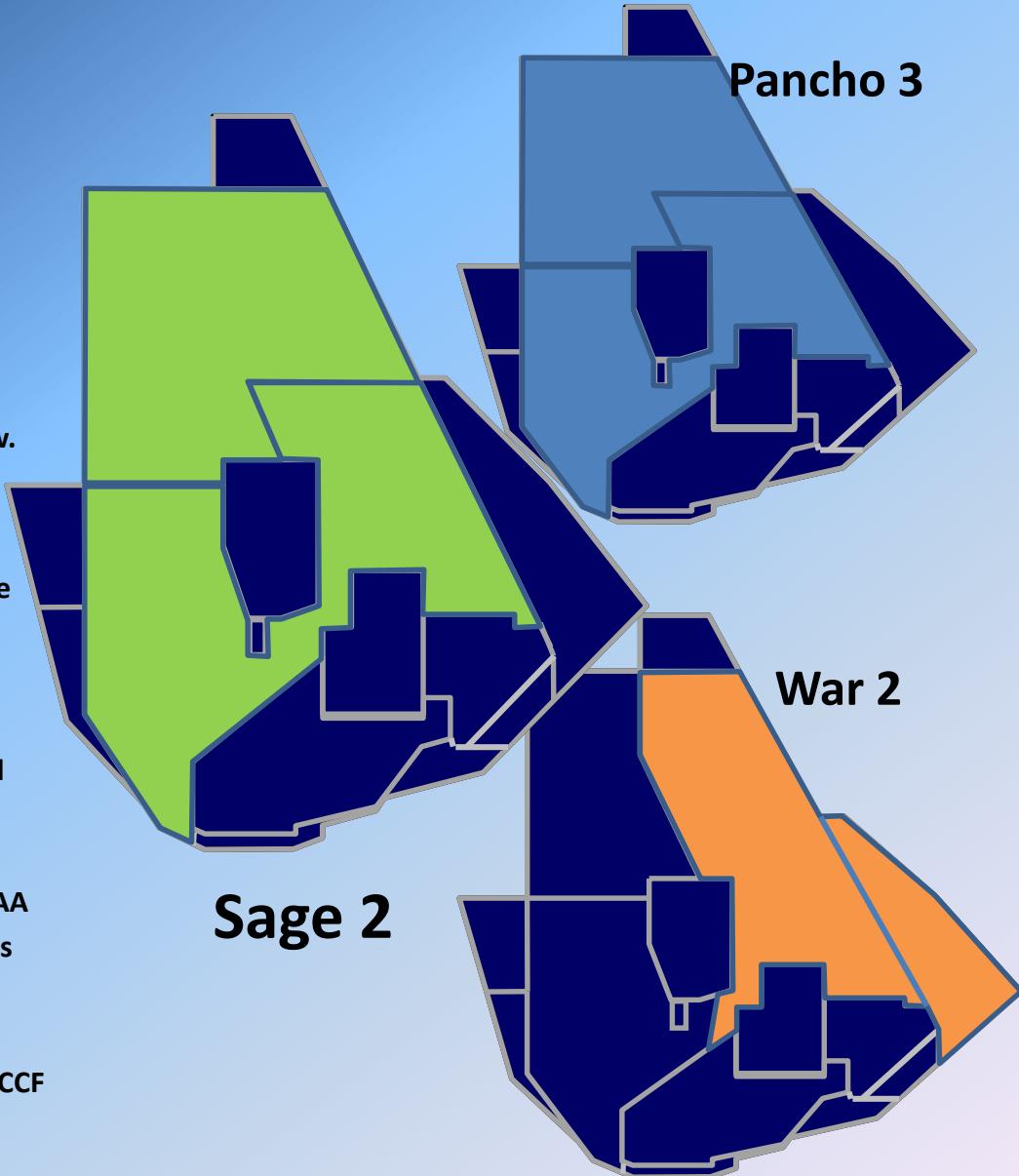
Complex Clearances

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

PANCHO 3: (EDW, NID, PMD, and NLC aircraft only.) Isabella and Panamint work areas at and below FL500, and Owens and Saline work areas at and below FL290.

WAR 2 Clearance: (Green Flag Participants Only) Saline and Panamint Work Areas at and below FL290, Shoshone MOA, and Shoshone North and South ATCAA's at and below FL230.

COLLINS 1 (U-2 A/C only): (not depicted) Isabella MOA and ATCAA 200' AGL to unlimited, and Owens, Panamint, and Saline ATCAAs above FL500. Additionally, if scheduled by the aircrew, internal restricted areas above FL500. *NOTE* Aircrew must schedule internal restricted areas IAW the scheduling agencies' policies. CCF and JCF are not responsible for knowing or advising if internal restricted areas are active and/or have been scheduled. This responsibility rests solely with the aircrew.





R-2508 Annual Users Brief

R-2508 Scheduling

CCF Office Hours - Monday thru Friday
0600-1800L, excluding Federal 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 COMPLEX AIRSPACE REQUEST

DATE OF MISSION	19 Apr 10	AIRCRAFT CALLSIGN	NUMBER & TYPE AC	ETA R-2508 (BLDG)	EST DELAY IN R-2508	REQUESTED ALTIMITUDE	DEPT AIRPORT	ARRIVAL AIRPORT	COP ACKNOWLEDGEMENT OF RECEIPT CCF DETAILS
		ACRO 11	2w/F16	2145	60	FL200	KLSV		548 CTS FAX # 682-8570 682-4276
		BRAT 21	2w/F16	2145	60	FL200			
		CUSTER 31	2w/F16	2145	60	FL200			
		DWARF 41	1w/B1	2145	60	FL200			
		MOJAVE 61	1w/B1	2020					101 days Type Mission P
		ACES11							

R-2508 COMPLEX AIRSPACE REQUEST

DATE OF MISSION: 15-Apr-10

AIRCRAFT CALLSIGN	NUMBER	TYPE AC	ESD LOCAL	ENTER R2508 (ZELUS)	EXTN R2508 (ZELUS)	EXT DELAY IN R2508	REQUESTED ALTIMITUDE	DEPT AIRPORT	ARRIVAL AIRPORT	AIRSPACE REQUESTED
RAIDER	51	3	FA-18	0930	1558	3	200 & BELOW	NLC	SAGE1 BISHOP MOA	
RAIDER	50	2	FA-18	0900	1500	2	200 & BELOW	NLC	SAGE2 BISHOP MOA	
RAIDER	55	1	FA-18	0900	1500	2	200 & BELOW	NLC	SAGE3 BISHOP MOA	
RAIDER	51	3	FA-18	1000	1500	1	200 & BELOW	NLC	SAGE1 BISHOP MOA	
RAIDER	56	3	FA-18	1015	1515	2	200 & BELOW	NLC	SAGE2 BISHOP MOA	
RAIDER	57	2	FA-18	1100	1500	2	200 & BELOW	NLC	SAGE3 BISHOP MOA	
RAIDER	58	2	FA-18	1100	1500	2	200 & BELOW	NLC	SAGE1 BISHOP MOA	
RAIDER	61	1	FA-18	1200	1500	2	200 & BELOW	NLC	SAGE2 BISHOP MOA	
RAIDER	62	1	FA-18						SAGE3 BISHOP MOA	
RAIDER	81	1	FA-18						SAGE1 BISHOP MOA	
RAIDER	85	1	FA-18						SAGE2 BISHOP MOA	
RAIDER	66	1	FA-18						SAGE3 BISHOP MOA	
RAIDER	67	1	FA-18						SAGE1 BISHOP MOA	
RAIDER	81	3	YF-18						SAGE2 BISHOP MOA	
RAIDER	87	2	FA-18						SAGE3 BISHOP MOA	
RAIDER	71	3	FA-18						SAGE1 BISHOP MOA	
RAIDER	85	1	FA-18						SAGE2 BISHOP MOA	
RAIDER	66	1	FA-18						SAGE3 BISHOP MOA	
RAIDER	87	2	FA-18						SAGE1 BISHOP MOA	
RAIDER	67	3	FA-18						SAGE2 BISHOP MOA	
RAIDER	69	1	FA-18						SAGE3 BISHOP MOA	
RAIDER	71	3	FA-18						SAGE1 BISHOP MOA	
RAIDER	91	2	FA-18						SAGE2 BISHOP MOA	
RAIDER	82	3	FA-18						SAGE3 BISHOP MOA	
RAIDER	83	1	EM						SAGE1 BISHOP MOA	

R-2508 COMPLEX AIRSPACE REQUEST

DATE OF MISSION: 15-Apr-10

AIRCRAFT CALLSIGN	NUMBER & TYPE AC	ETA R-2508 (BLDG)	EST DELAY IN R-2508	REQUESTED ALTIMITUDE	DEPT AIRPORT	ARRIVAL AIRPORT	AIRSPACE REQUESTED
XPERT-11	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-21	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-31	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-41	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-51	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-71	1X/A-18E/F	1755Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-91	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-17	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-28	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-38	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-48	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-58	1X/A-18E/F	1800Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-65	1X/A-18E/F	2000Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-78	2X/A-18E/F	2000Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-111	1X/A-18E/F	2045Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-211	1X/A-18E/F	2200Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-311	1X/A-18E/F	2200Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-411	1X/A-18E/F	2200Z	1-38	SFC-350	NLC	NLC	SAGE TWO
XPERT-511	1X/A-18E/F	2200Z	1-38	SFC-350	NLC	NLC	SAGE TWO

Email: 2508CCF@edwards.af.mil
FAX Back to: CCF @ DSN 527-4798 or Comm: (661) 277-4798

CCF USE ONLY
CCF ACKNOWLEDGEMENT OF RECEIPT
DSN RECEIVED
CCF INITIALS
H/T
PS

CCF USE ONLY
CCF ACKNOWLEDGEMENT OF RECEIPT
DSN RECEIVED
CCF INITIALS
H/T
PS



R-2508 Annual Users Brief

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 to let the FAA
know what the military is
scheduled to use.

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		0100	240	
		0100	300	
		00	HOT	
		4	110	
			HOT	
			110	
				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

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	240	
R-2502N	090100	091300	290	
R-2505	090100	091300	110	
YXK SHELF	090100	091300	RLSD	
R-2506	090100	091300	RLSD	
R-2508	090100	091300	RLSD	
R-2515	090100	091300	RLSD	
R-2524	090100	091300	060	
ATCAA	090100	091300	050	

II. MOA/ATCAA Release and Recall

AREA	ACTIVATED FROM	ACTIVATED TO	AT/OR BELOW ALT	REMARKS
Barstow East ATCAA	090100	090515	230	
Barstow MOA ATCAA	090100	090515	180	
Barstow West ATCAA	090100	090200	300	
Bishop MOA	090100	090530	180	
Buckhorn MOA/ATCAA	090230	090530	180	
Isabella	090100	090500	300	
	090500	090530	100	
	090330	090330	420	
	090500	090500	400	
	090515	090515	300	
Owens	090530	090530	290	
	090100	090600	130	
	090330	090330	420	
	090500	090500	400	
	090515	090515	300	
	090530	090600	130	



R-2508 Annual Users Brief

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

R-2508 COMPLEX AIRSPACE REQUEST

SQUADRON: VFA-125 **PHONE #:** 662-8570 **FAX #:** 662-4274 **ACKNOWLEDGEMENT OF RECEIVED:** **CCF USE ONLY****

DATE OF MISSION: 15-Apr-10 **AIRCRAFT CALLSIGN:** RADER 51 **ENTER R2508:** 2000Z **EXIT R2508:** 0200Z **EST DELAY:** 0.200 **REQUESTED ALTITUDE:** 15000 **ARRIVAL AMPLNET:** KLSV **ARSPACE REQUESTED:** WAR 2

AIRCRAFT	CALLSIGN	NUMBER	TYPE	LOCAL	ENTER R2508	EXIT R2508	EST DELAY	REQUESTED ALTITUDE	ARRIVAL AMPLNET	ARSPACE REQUESTED
RADER	51	2	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	50	3	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	51	1	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	50	1	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	51	3	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	50	2	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	51	1	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	51	2	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	51	3	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2
RADER	50	1	F/A-18	0800	1500	2100	3	15000	KLSV	WAR 2

R-2508 COMPLEX AIRSPACE REQUEST

SQUADRON: VFA-122 **PHONE #:** 662-949-1566/1567 **FAX #:** 662-1526 **ACKNOWLEDGEMENT OF RECEIVED:** **CCF USE ONLY****

DATE OF MISSION: 19-Apr-10 **AIRCRAFT CALLSIGN:** XPERT-11 **ENTER R2508:** 1500Z **EXIT R2508:** 2100Z **EST DELAY:** 0.200 **REQUESTED ALTITUDE:** 15000 **ARRIVAL AMPLNET:** NLC **ARSPACE REQUESTED:** WAR 2

AIRCRAFT	CALLSIGN	NUMBER	TYPE	ENTER R2508	EXIT R2508	EST DELAY	REQUESTED ALTITUDE	ARRIVAL AMPLNET	ARSPACE REQUESTED
SPERT-11	(X)F/A-18C/P	1800Z	1-18	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-21	(X)F/A-18C/P	1800Z	1-08	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-11	(X)F/A-18C/P	1800Z	1-80	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-21	(X)F/A-18C/P	1800Z	1-18	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-71	(X)F/A-18C/P	1800Z	1-08	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-21	(X)F/A-18C/P	1800Z	1-80	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-21	(X)F/A-18C/P	1800Z	1-18	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-21	(X)F/A-18C/P	1800Z	1-08	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-11	(X)F/A-18C/P	1800Z	1-80	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-21	(X)F/A-18C/P	1800Z	1-18	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-21	(X)F/A-18C/P	1800Z	1-08	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-41	(X)F/A-18C/P	2200Z	1-80	SFC-300	NLC	NLC	15000	NLC	SAGE TWO
SPERT-61	(X)F/A-18C/P	2200Z	1-18	SFC-300	NLC	NLC	15000	NLC	SAGE TWO

R-2508 COMPLEX AIRSPACE REQUEST

SQUADRON: VFA-122 **PHONE #:** 662-949-1566/1567 **FAX #:** 662-1526 **ACKNOWLEDGEMENT OF RECEIVED:** **CCF USE ONLY****

DATE OF MISSION: 15-Apr-10 **AIRCRAFT CALLSIGN:** F16 **ENTER R2508:** 1500Z **EXIT R2508:** 2100Z **EST DELAY:** 0.200 **REQUESTED ALTITUDE:** 15000 **ARRIVAL AMPLNET:** NLC **ARSPACE REQUESTED:** WAR 2

AIRCRAFT	CALLSIGN	NUMBER	TYPE	ENTER R2508	EXIT R2508	EST DELAY	REQUESTED ALTITUDE	ARRIVAL AMPLNET	ARSPACE REQUESTED
RADER51	F16	1500Z	1500Z	0.200	2100Z	0.200	15000	NLC	SAGE TWO

AGR011	2145	S, T, SHN, Ø2N, Ø2E, SHS, SH	290
F16	LSV		
1F303824G33891			

RADER51	1530	I, O, S, T, BI	290
F18	NLC		
1F303456G33851			

XPERT11	1500	I, O, S, T	350
F18	NLC		
1F303486G33852			





R-2508 Annual Users Brief

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) L+6 (Mark 1)
452 AMW/SEF DSN: 447-4481 Gen: 951-155-4481 DATE RECEIVED: 4-12-2018
TO: R-2508 Central Coordinating Facility 100 E. Sparks Dr.
Edwards AFB CA 93524-8099 DATE OF REPORT: 4-12-2018
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 replaced by reports of the reported situation. No punitive or disciplinary action will be taken as a result of statements made on this form.

DATE/TIME SITUATION OCCURRED: MARCH 31, 2010

TYPE AIRCRAFT: C-17
CALL SIGN(S): SLAM
FREQUENCY: 124
ALTITUDE:
NARRATIVE:

LOCATION SITUATION OCCURRED: 1400L
OTHER AIRCRAFT INVOLVED: MOONEY
OTHER CALL SIGN(S): MOON
MOON

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 replaced by reports of the reported situation. 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

TYPE AIRCRAFT:
CALL SIGN(S):
FREQUENCY(BE):
ALTITUDE:
NARRATIVE: (Be as complete as possible. Include recommendations to prevent reoccurrence. Add additional sheets as necessary.)

LOCATION SITUATION OCCURRED: IYK / Panamint
OTHER AIRCRAFT INVOLVED:
SIGN (S) IF KNOWN:
AG AGENCY:
REMARKS: Joshua Approach
RECOMMENDATION: It reoccurrence. Add additional sheets as
REMARKS: Joshua Approach that he was working with
RECOMMENDATION: asked if CROOK47 was a participant and a range briefing (ASC Ranges) and that then proceeded to Panamint and joined
REMARKS: numerous aircraft. China Lake is bending
RECOMMENDATION: in the complex. This is not fair to
REMARKS: the players to be flying under the same rules.
RECOMMENDATION: ing players to understand the rules. And is not
REMARKS: not knowing what other aircraft are doing.
RECOMMENDATION: unsafe.

Print Form

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





R-2508 Annual Users Brief

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/About/R-2508>



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

R-2508 Complex Users Handbook

**R-2508 Complex 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: 527-4798, Fax: 4798**

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

ANNUAL BRIEFING REQUIREMENT:
All units must complete a face-to-face R-2508 Complex pilot brief with CCF or assigned Sponsoring Command, prior to flying in R-2508 Complex airspace.

SCHEDULING:
All activities must be scheduled. Enter the Complex ~30 min to ~1 hr of the date of intended use.

→ Schedule with CCF by 1700L on one working day prior to the date of intended use.

→ Schedule ALL weekend/holiday events: NLT 1700 (L) the last working day prior.

→ Changes to previously scheduled events shall be made via CCF or assigned Sponsoring Command local, daily. After hours call 1-866-803-2851.

CONCEPT OF OPERATIONS:
All transient pilots will normally receive a **SAGE 2** detailed Transient Air Traffic Control (TATC) [Work Area](http://www.edwards.af.mil/R-2508/Transient%20Aircraft%20Information%20Sheet.pdf) or higher FL250. If TATC is not available, [Return to R-2508 Work Area](http://www.edwards.af.mil/R-2508/Transient%20Aircraft%20Information%20Sheet.pdf) or higher FL250. **DO NOT** file a delay in TATC.

Aircrews should file a copy of the survey results to the appropriate AFSC and AFMOS units, as well as the appropriate AFSC and AFMOS commanders.

OVERFLIGHT OF DEATH VALLEY MONUMENT, SEQUOIA AND JOHN MUIR WILDERNESS AREAS: It is recommended that **refresher** flights (not type) annually result in formal communication of the survey results to the FAF for review and coordination below 3,000' AGL.

Parachute and glider activity occurs daily at the California City and normally occurs from 11,000' AGL and below. Glider activity is operating as instructed from 11,000' AGL and below. Gliders will be operating as instructed from January to March and October). Parachutes are typically down 500' to 1000' AGL.

The R-2508 Complex is used by many technical flight type aircraft that operate within the MOAs. Examples include: T-38s, T-6s, Cessna 172s, and portions of the Senate Weather Annex depicted in restricted diagrams.

The R-2508 Handbook can be found and downloaded from the Web at: <http://www.edwards.af.mil/R-2508.aspx>. To schedule and receive a complete R-2508 Airspace brief, contact the Central Coordination Office at (661) 277-2508 or Comm: 661-277-4798.

Unit _____
Home Base _____
Date _____
Please _____
Return this document by FAX to CCF at DSN 527-4798 or Comm 661-277-4798
Email: 2508CCF@edwards.af.mil

CCF USE ONLY
CCF ACCORDING TO REQUEST
SQUADRON: _____
PHONE #: _____
FAX #: _____
TYPE MISSION: _____
DATE OF MISSION: _____
AIRCRAFT CALLSIGN: _____
NUMBER & ETAK-2508 EST DELAY (2012-2013) _____
REQUESTED ALTITUDE: _____
DEPT AIRPORT: _____
ARRIVAL AIRPORT: _____
AIRSPACE REQUESTED: _____
REMARKS: _____

DD FORM 175, MILITARY FLIGHT PLAN
File two IFR leg, 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.

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

→ SAGE 2: Isabella, Owen, Saline, and Panamint, FL290 and below.

→ PANCHO 2: Isabella and Panamint FL290 and below; Owen & Saline FL290 and below.

→ SAGE 3: Isabella, Owen, Saline, and Panamint, FL290 and below; Edwards AFB, California West FL290 and below; Barstow East FL290 and below.

→ The phone: _____

OVERFLIGHT RESTRICTIONS:
Non-participants are NOT permitted airspace King Canyon National Park, Sequoia and John Muir National Monuments, and the 3,000' AGL & 3,000' Internally Strictly Enforced!

→ Overflight of Death Valley Monument, Sequoia / King Canyon National Parks, and John Muir National Monument is prohibited above 3,000' AGL

→ Overflight of the 3,000' Internally Strictly Enforced area is prohibited above 3,000' AGL

→ Overflight of the 3,000' Internally Strictly Enforced area is prohibited above 3,000' AGL

→ Refueling areas are NOT permitted airspace between 1,500 feet AGL and the minimum extent possible. All aircraft refueling must be monitored by ATC; calls are pilot only. Call entry, exit, and geo reference points enroute.

COMPLEX ACTIVITIES:
Refueling areas are NOT permitted airspace Non-participants are NOT permitted airspace

→ Insert into ACM for low-level training in the Edwards AFB Safety corridor. Pilots were issued

→ Users participating in R-2508 exercises may exit south of the restricted areas, into Panamint for IP to TOT runs, and return west on Joshua Approach.

→ R-2508 is open to all aircraft operating in R-2508, R-2524, or R-2520 E or as specified in the complex user's handbook.

→ Flights are allowed in areas not restricted areas, coordinated with the restricted areas.

→ Members of CCF must be present for operations. Inform the CCF scheduler.

Only authorized users in the R-2515 High-Altitude corridor, Schedular with EDW and CCF, are allowed to fly in the R-2515 corridor in the Mojave, California City, or Airport areas, generally 12,000' AGL at Cal City, 17,500' MSL and flying southern Sierra FL180 and Lee Camp (Dec-April).



R-2508 Annual Users Brief

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
 - **Online Information**
 - <http://www.edwards.af.mil/About/R-2508>
 - <https://usaf.dps.mil/teams/12162/SitePages/Home.aspx>

