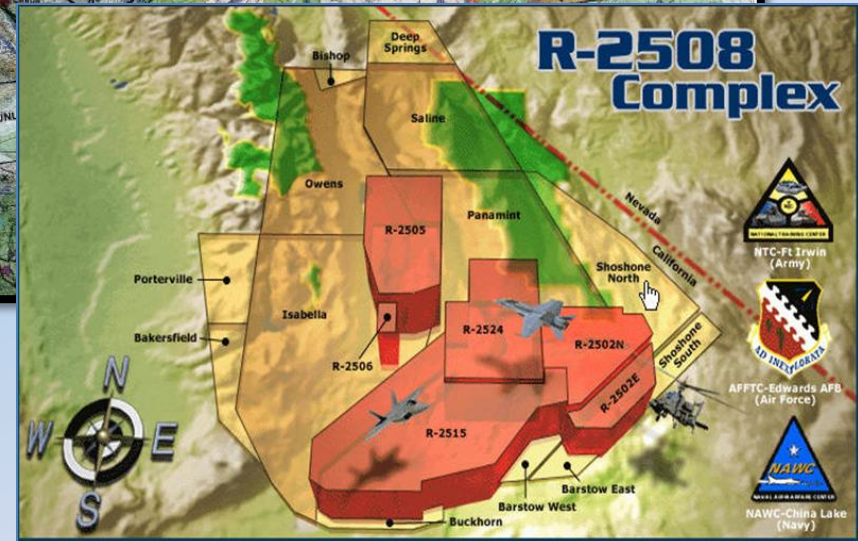
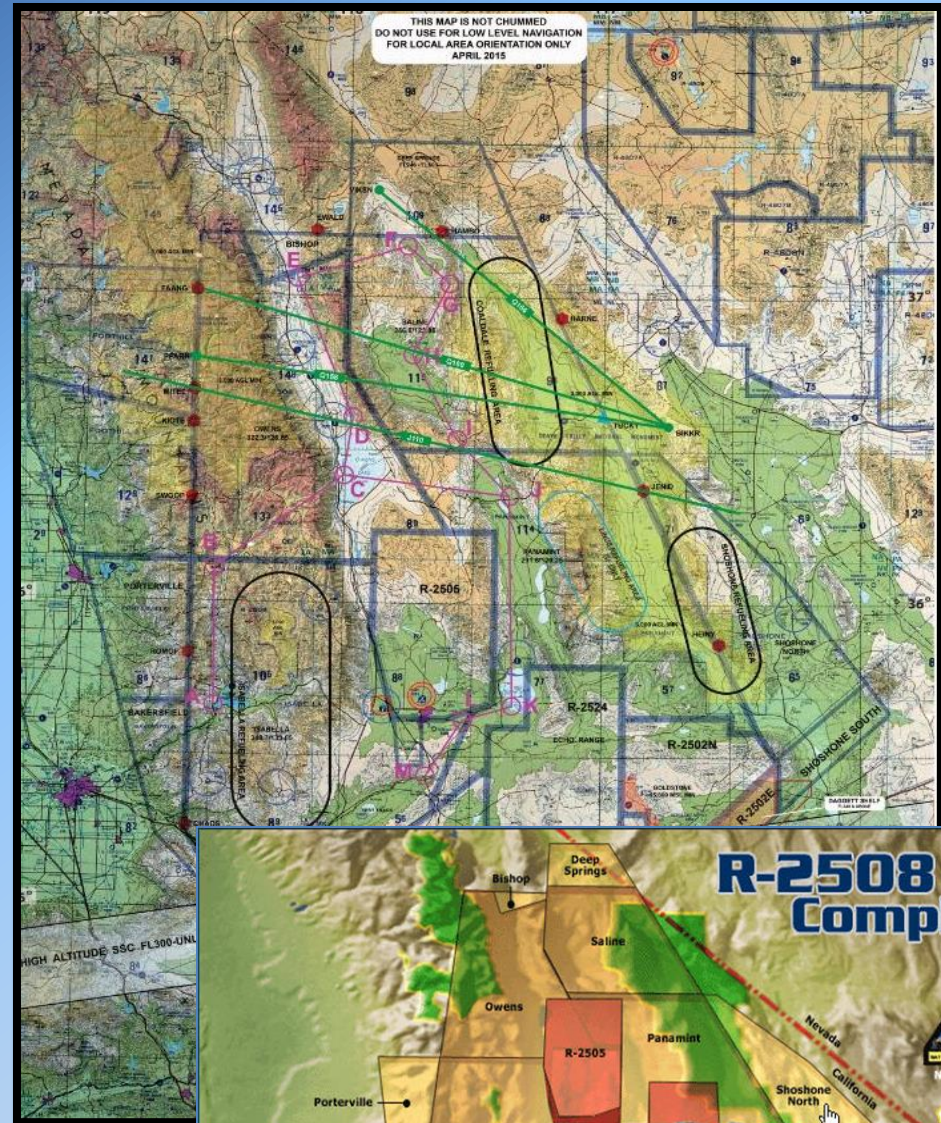




R-2508 Annual Tanker Brief 17 July 2020

WELCOME!

- Restricted Area's
- MOA/ATCAA Airspace
- Concept of Operations
- Air Traffic Control (ATC) and Military RADAR Unit (MRU) Services
- Check in Procedures
- Overflight Restrictions
- TFR's
- Ingress/Egress Routes
- Air Refueling Operations
- Weather Areas
- High Density Traffic Area
- UAS/RPA Transition Routes
- R-2508 Daily Brief Sheet
- Flight Planning
- Entry/Exit Points
- Complex Clearances
- Scheduling
- SITREPS
- On Line Info





R-2508

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Restricted Areas:

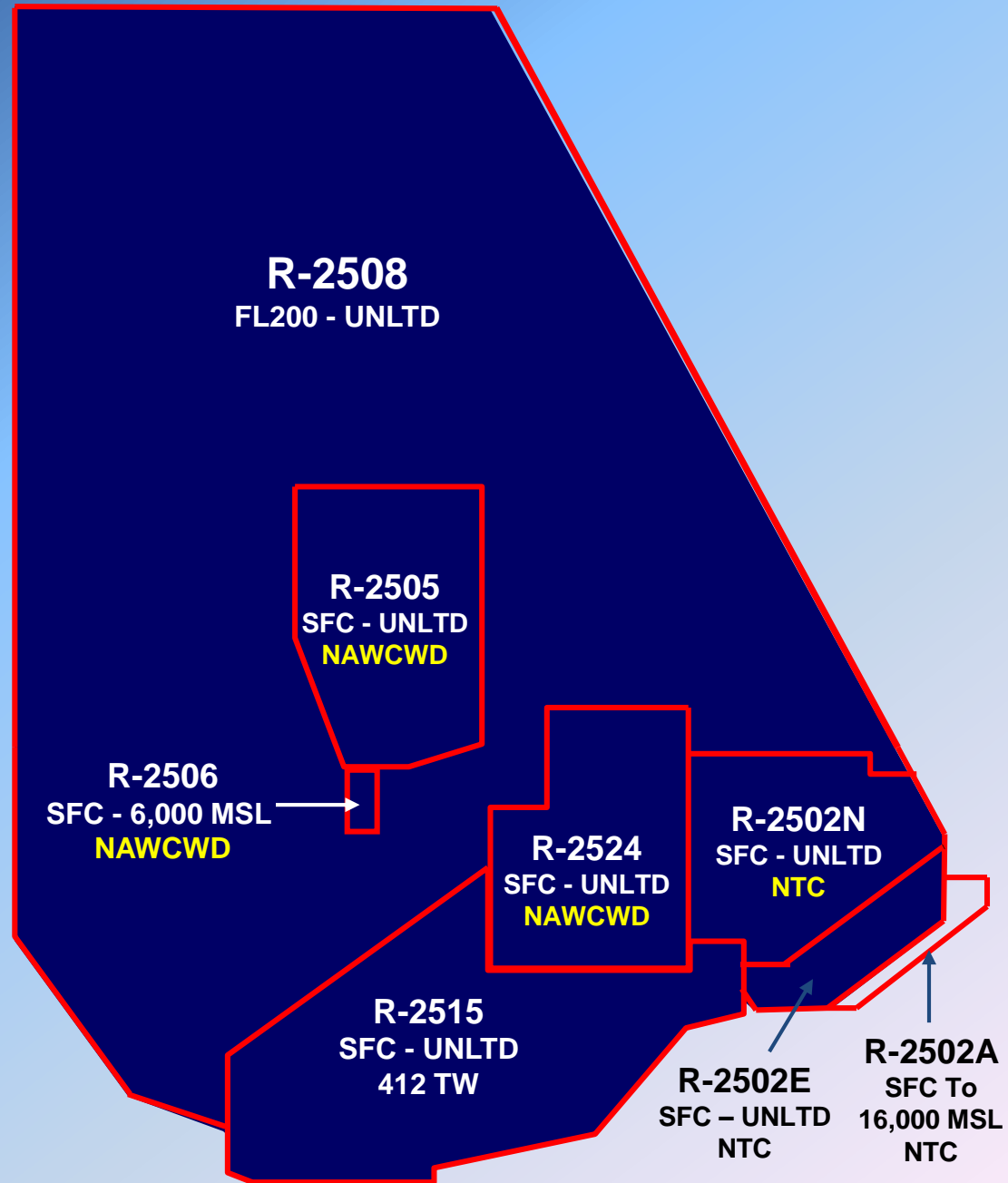
- Schedule R-2508 with CCF
- Schedule Internal Restricted Areas with Using Agency and CCF To Transit MOA/ATCAA Airspace

Using Agencies:

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

R-2515: 412TW

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





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MOA & ATCAA Airspace

Military Operations Areas & Air Traffic Control Assigned Airspace

JOSHUA APPROACH

Frequencies:

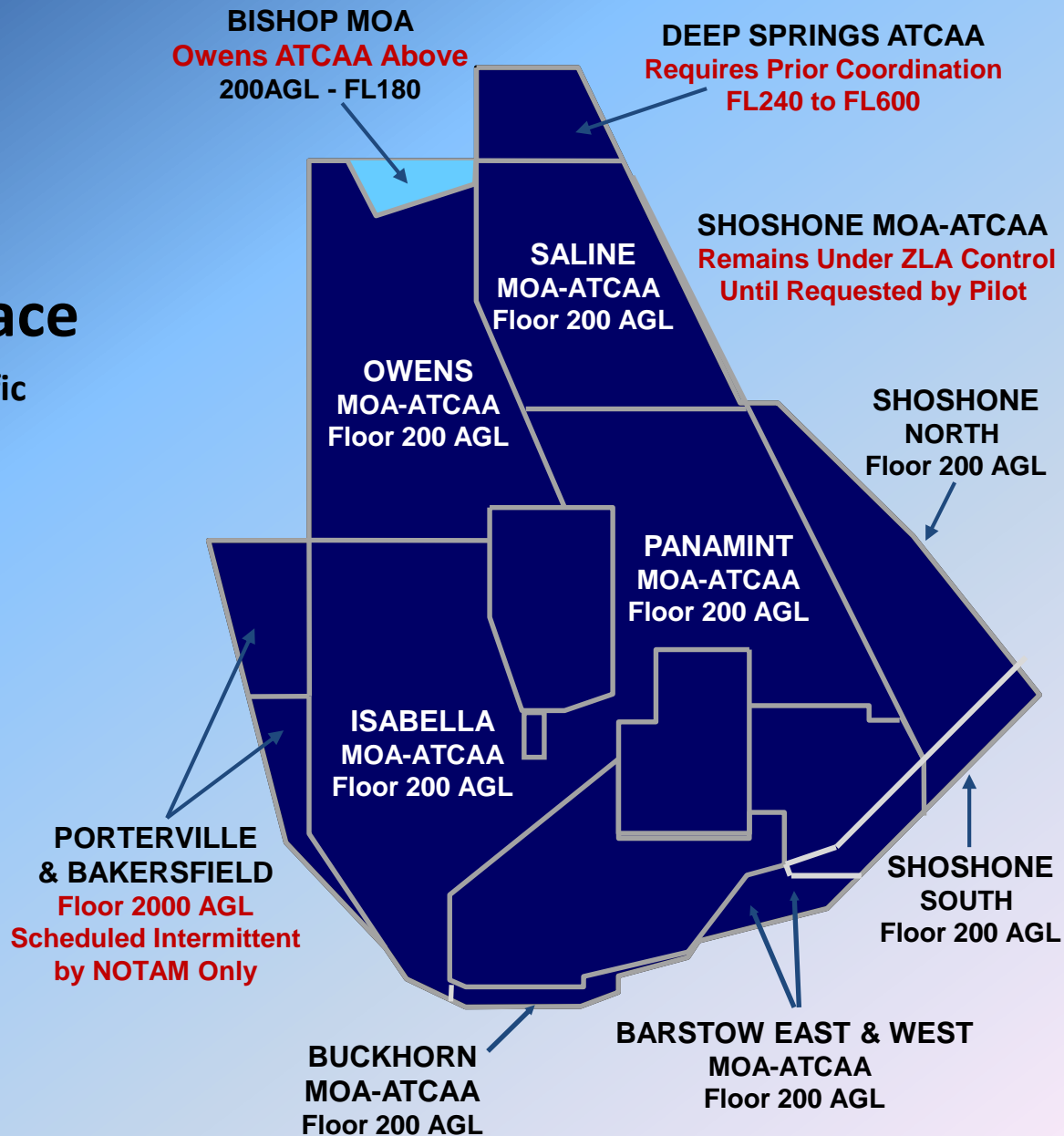
Joshua Primary ATC: 348.7/133.65

Isabella: 335.6/134.05

Owens: 322.3/126.55

Saline: 256.8/123.95

Panamint: 291.6/120.25





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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 Brief 17 July 2020



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



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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**.



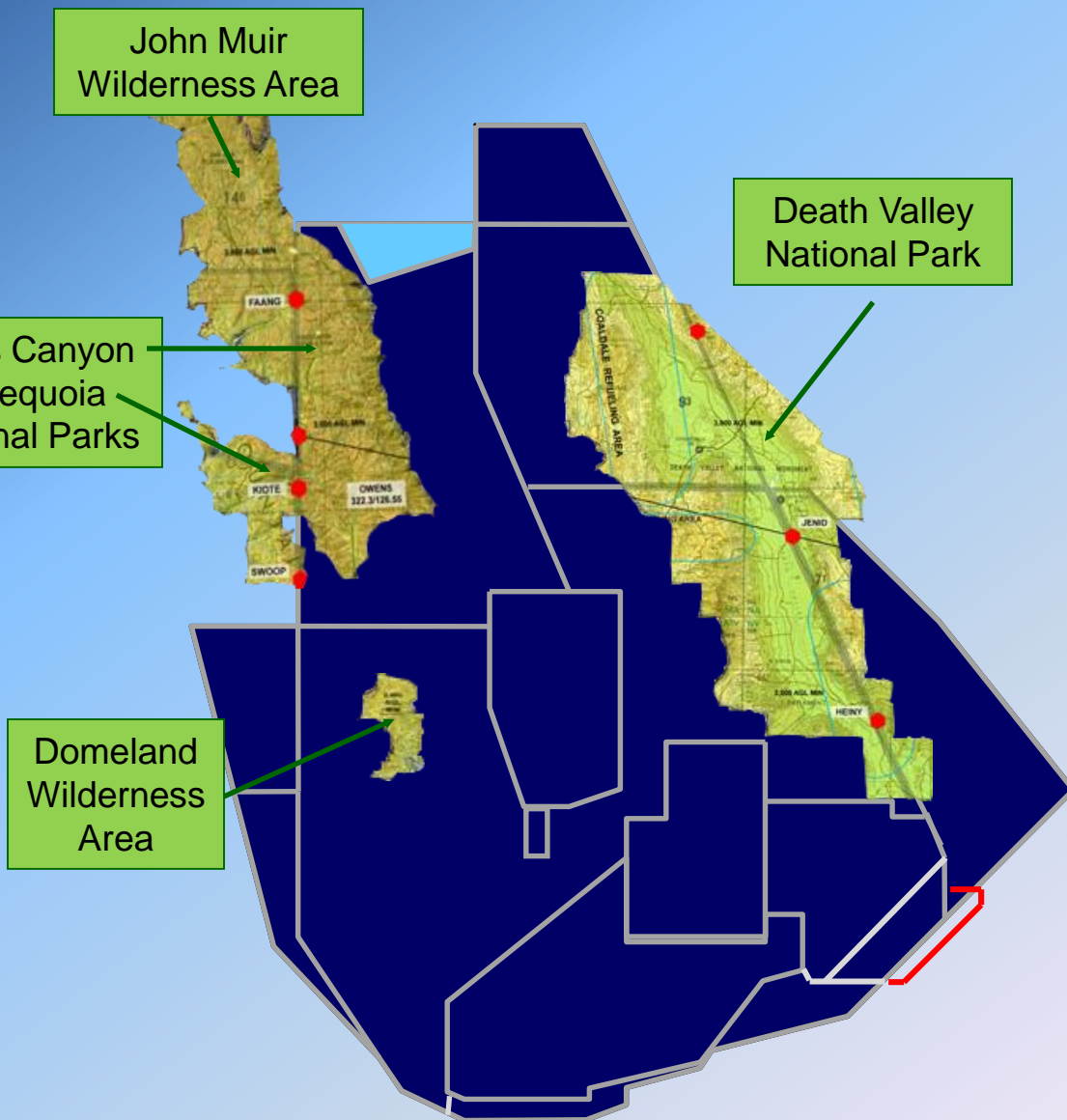


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Overflight Restrictions of Parks & Wilderness Areas

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**



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- **Sequoia and Kings Canyon National Parks (SEKI)**

- All participating aircrews maintain an altitude of **18,000** feet 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 feet AGL within the boundaries of SEKI except in an emergency situation. Lateral separation from SEKI is 3000 feet.

SEKI





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**• 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 Tanker Brief 17 July 2020

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

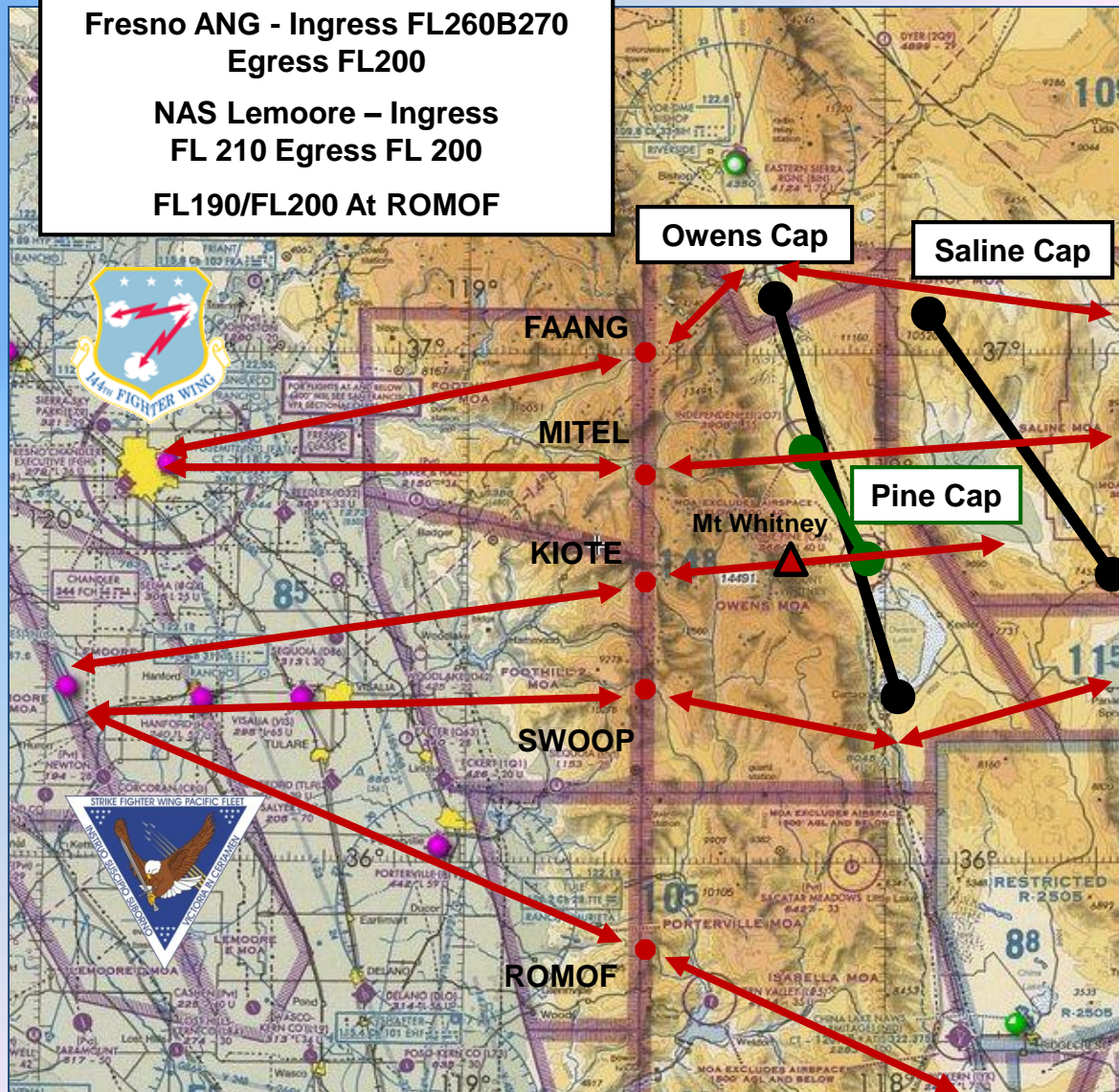
- Be aware of heavy East/West traffic flow across Owen Valley
- Avoid Mt Whitney area

Entry/Exit Point Altitudes

Fresno ANG - Ingress FL260B270
Egress FL200

NAS Lemoore – Ingress
FL 210 Egress FL 200

FL190/FL200 At ROMOF



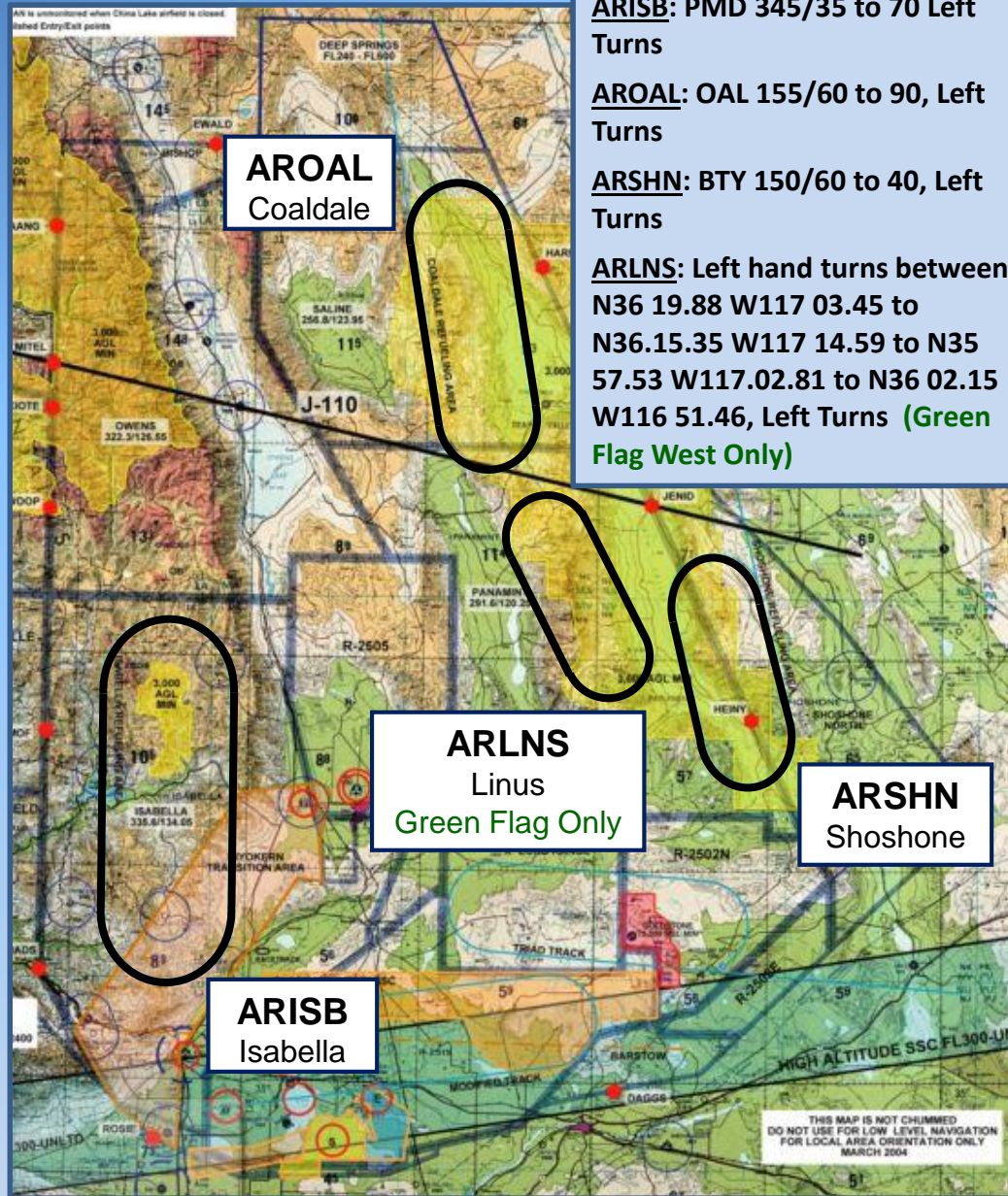


R-2508

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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 15.35 W117 14.59 to N36 57.53 W117.02.81 to N36 02.15 W116 51.46, Left Turns (Green Flag West Only)

AROAL
Coaldale

ARLNS
Linus
Green Flag Only

ARSHN
Shoshone

ARISB
Isabella



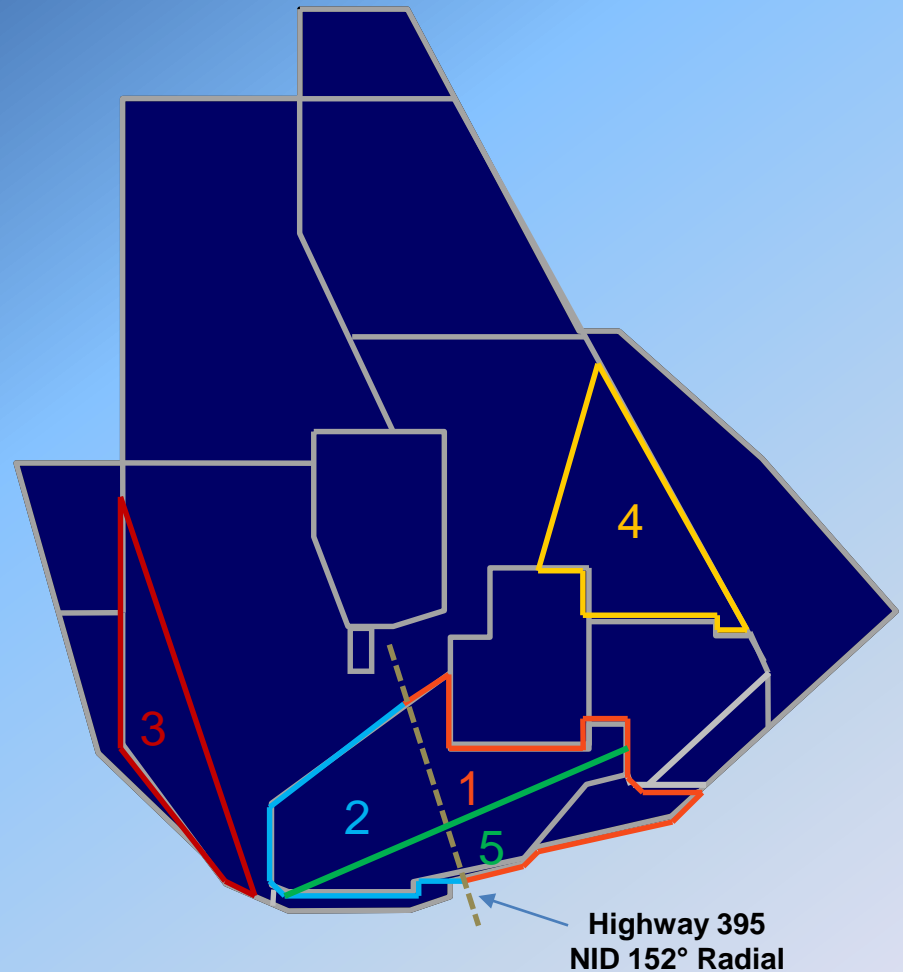


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Special Activity Areas...

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...

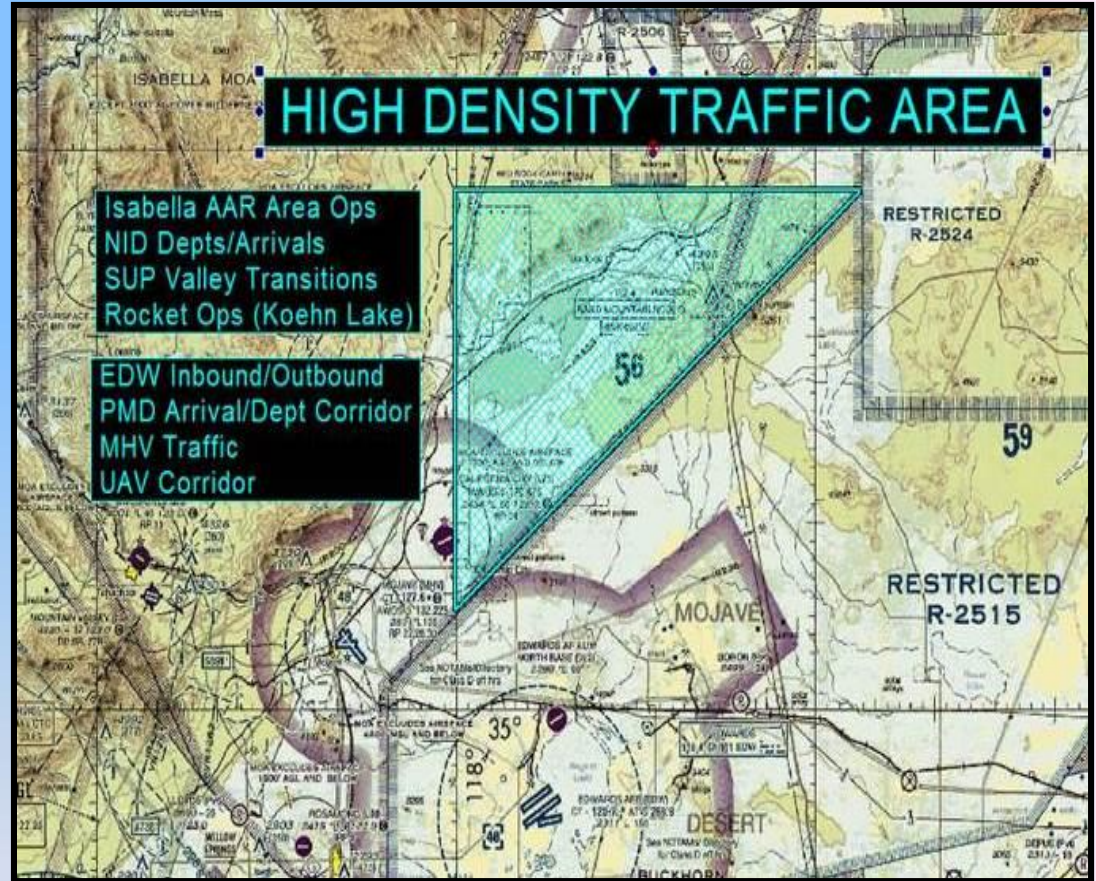
- WX Areas exist in the Southern Portion of the Complex
- WX Areas are Released to ZLA for Air Carrier WX Avoidance
- Joshua/SPORT will keep users updated on areas activated
- If you're unfamiliar with WX Area locations advise Joshua or SPORT and request assistance in WX Area avoidance.



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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

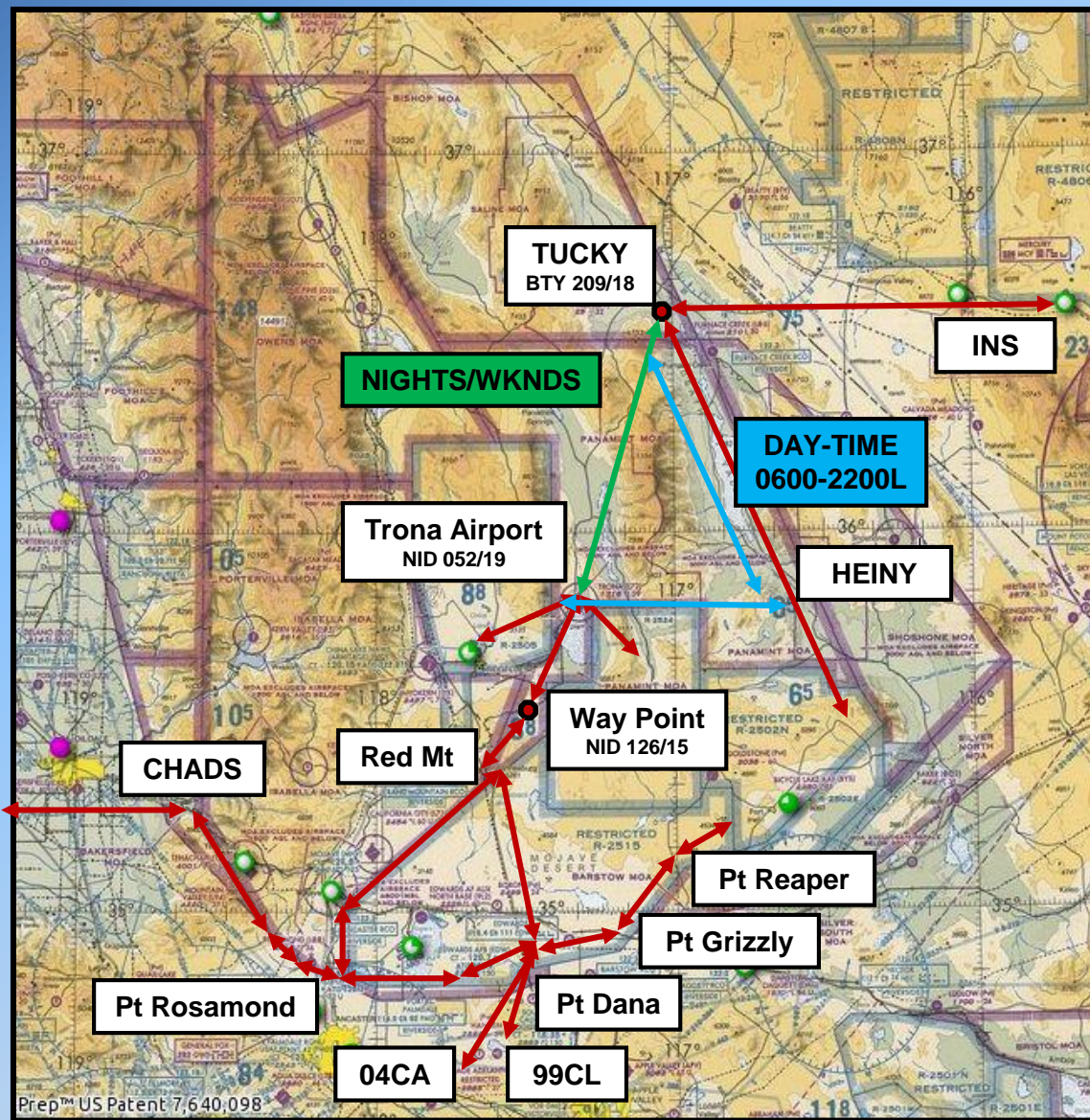




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UAS/RPA Transition Routes

- 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





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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/r-2508.asp>

1-2-3 FEBRUARY 2014

LINK 16 and SADL STATUS
 3 FEB 14

Edwards US	Edwards Allied	Rogers Peak US
Link 16: Operational	Link 16: Operational	Link 16: Down
SADL: Down		

Troubleshooting/Coordination & After Hours Requests: DSN: 525-7514, COMM: (661) 275-7514,
 Email: 412tw.jcc@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 136° 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.

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 COMPLEX
 LARGE FORCE EXERCISE

R-2508 Complex	ALTITUDE	REFUEL
050300Z - 050445Z	FL290	ARISB FL180 - F
110130Z - 110315Z	FL290	ARIS FL180 - F
120130Z - 120315Z	FL290	ARIS FL180 - F
130130Z - 130330Z	FL290	ARIS FL180 - F

**** 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





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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' with columns for 'TYPE OF PLAN', 'TRUE AIRSPEED', 'POINT OF DEPARTURE', 'PROPOSED DEPARTURE TIME (Z)', and 'ALTITUDE'. It also has fields for 'ROUTE OF FLIGHT', 'DATE', 'AIRCRAFT CALL SIGN', and 'AIRCRAFT DESIGNATION AND TO CODE'. The bottom form is FAA Form 7233-1 (6-20), titled 'CLOSE VFR FLIGHT PLAN WITH FSS ON ARRIVAL'. It includes fields for '1. TYPE' (VFR, IFR, DVFR), '2. AIRCRAFT IDENTIFICATION', '3. AIRCRAFT TYPE/SPECIAL EQUIPMENT', '4. TRUE AIRSPEED (KTS)', '5. DEPARTURE POINT', '6. DESTINATION (Name of airport and city)', '10. EST. TIME ENROUTE' (Hours and Minutes), '11. REMARKS', '12. FUEL ON BOARD' (Hours and Minutes), '13. ALTERNATE AIRPORT(S)', '14. PILOT'S NAME, ADDRESS & TELEPHONE (OPTIONAL)', '15. NUMBER ABOARD', and '17. DESTINATION CONTACT (TELEPHONE)'. Both forms include a 'SIGNATURE OF APPROVAL AUTHORITY' and 'DUTY PILOT IN COMMAND' section.

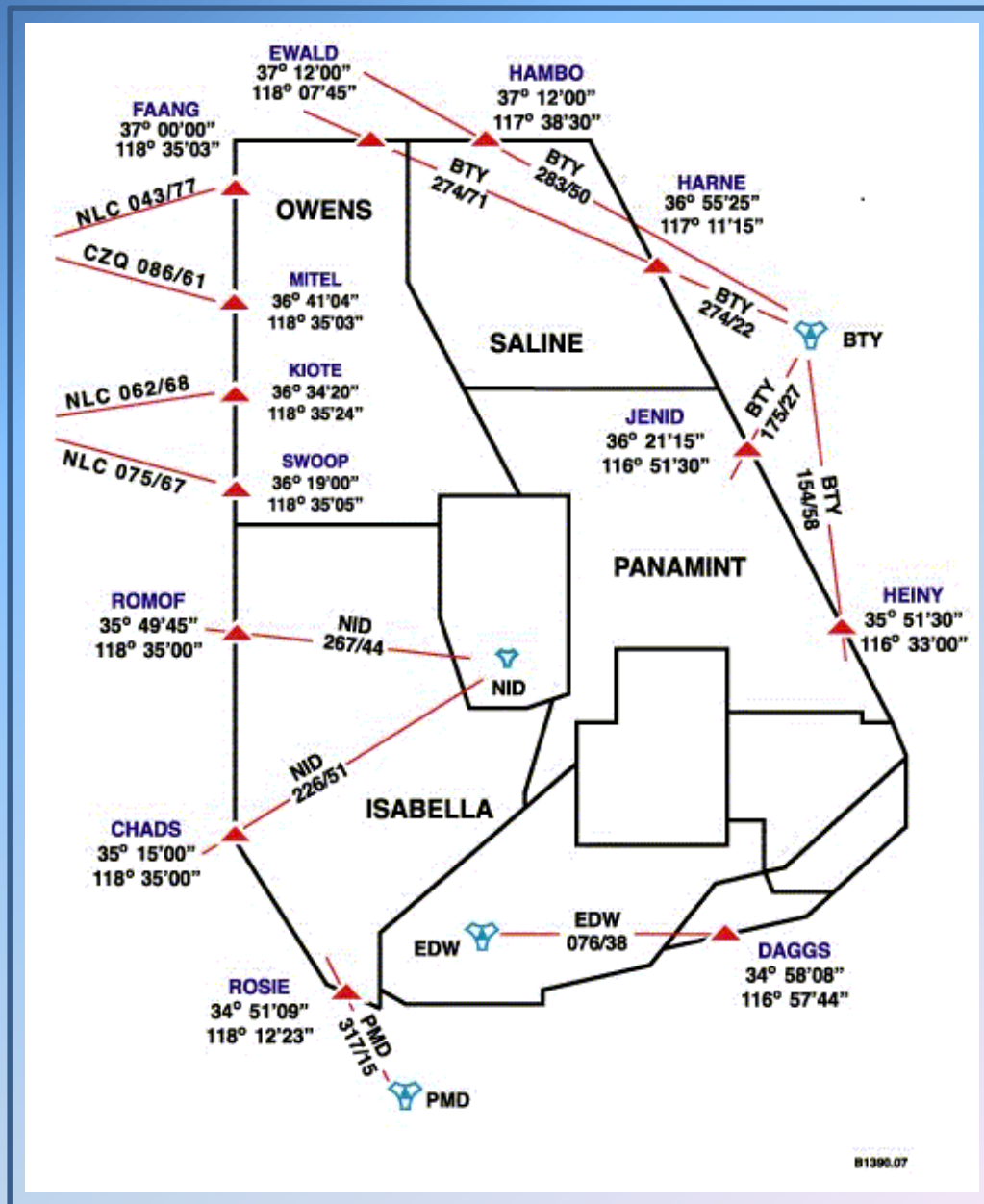




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Entry/Exit Points Flight Plan Entries...

- 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.



B1396.07





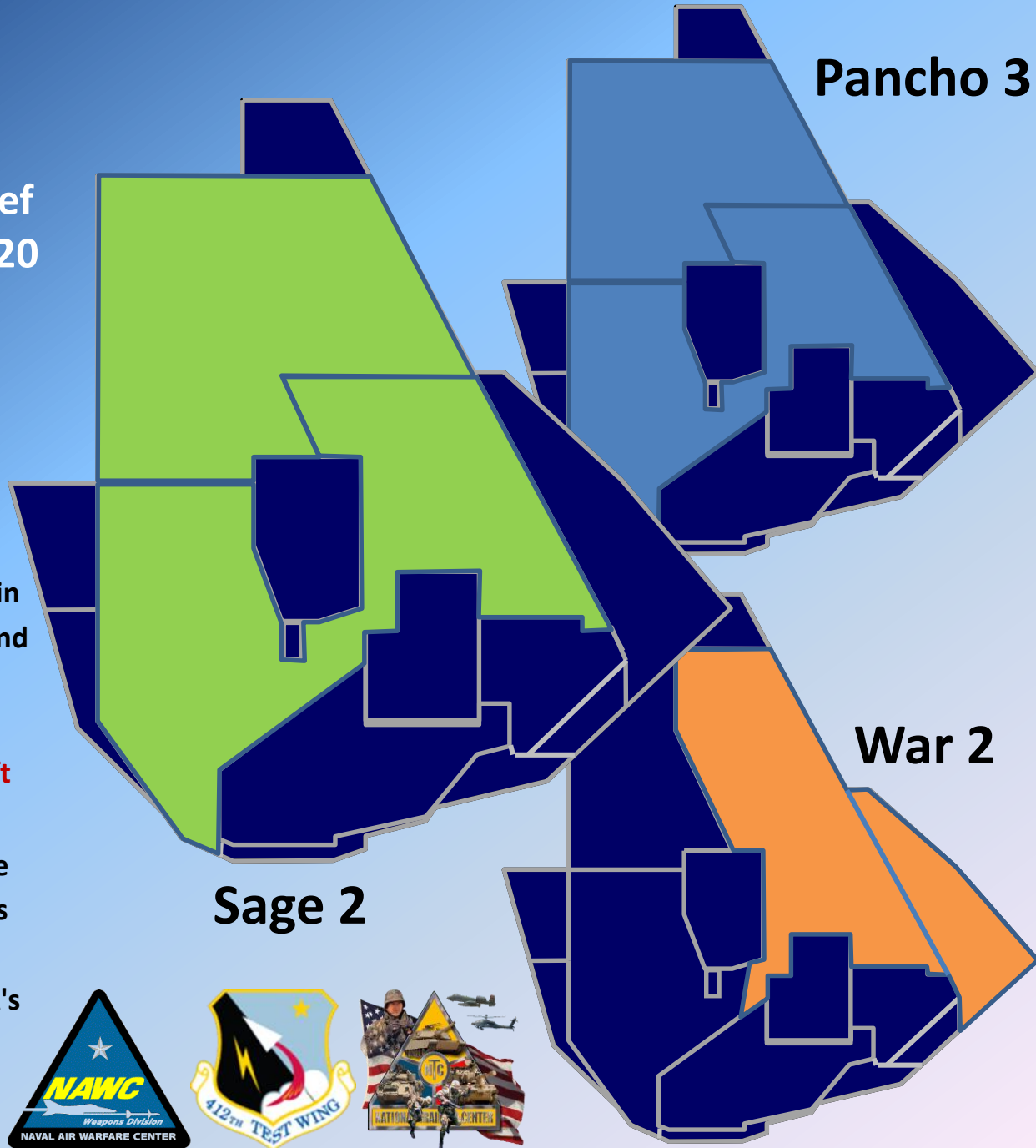
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Complex Clearances

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.





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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						





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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



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



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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	
Saline	090100	090200	400	
	090200	090515	300	
	090500	090530	290	
	090515	090600	130	
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	
ITK SHELF	090100	091300	110	
R-2506	090100	091300	RLSD	
R-2508	090100	091300	RLSD	
R-2515	090100	091300	RLSD	
R-2524	090401	090400	RLSD	
	090615	090614	HOT	
	090701	090700	060	
	090100	091300	HOT	
			060	
			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	





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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) LHM (MIDN) 452 AMW/SEF DSN: 447-4481

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

DATE/TIME SITUATION OCCURRED: MARCH 31, 8 1400L

TYPE AIRCRAFT: C-17

CALL SIGN: SLAM

FREQUENCY: 124

ALTITUDE:

NARRATIVE:

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

DATE RECEIVED: 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

AGENCY: Joshua Approach that he was working with asked if CROOK47 was a participant and a range briefing (ASC Ranges) and that then proceeded to Panamint and joined

AGENCY: numerous aircraft. China Lake is bending g in the complex. This is not fair to the players to understand the rules. And is not not knowing what other aircraft are doing.

AGENCY: unsafe.

DATE RECEIVED: DATE OF 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:

DATE/TIME SITUATION OCCURRED: LOCATION SITUATION OCCURRED:

TYPE AIRCRAFT: OTHER AIRCRAFT INVOLVED:

CALL SIGN: OTHER CALL SIGN(S) IF KNOWN:

FREQUENCY: CONTROLLING AGENCY:

ALTITUDE:

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 Tanker 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
	File	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.



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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>
 - <http://USAF.DPS.MIL/TEAMS/12162>

