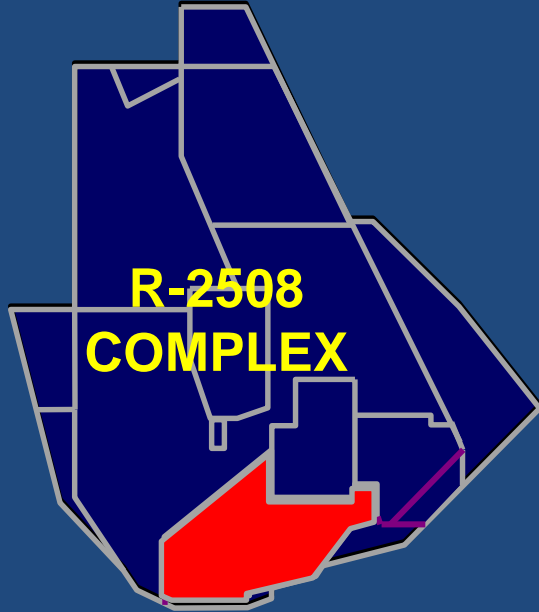


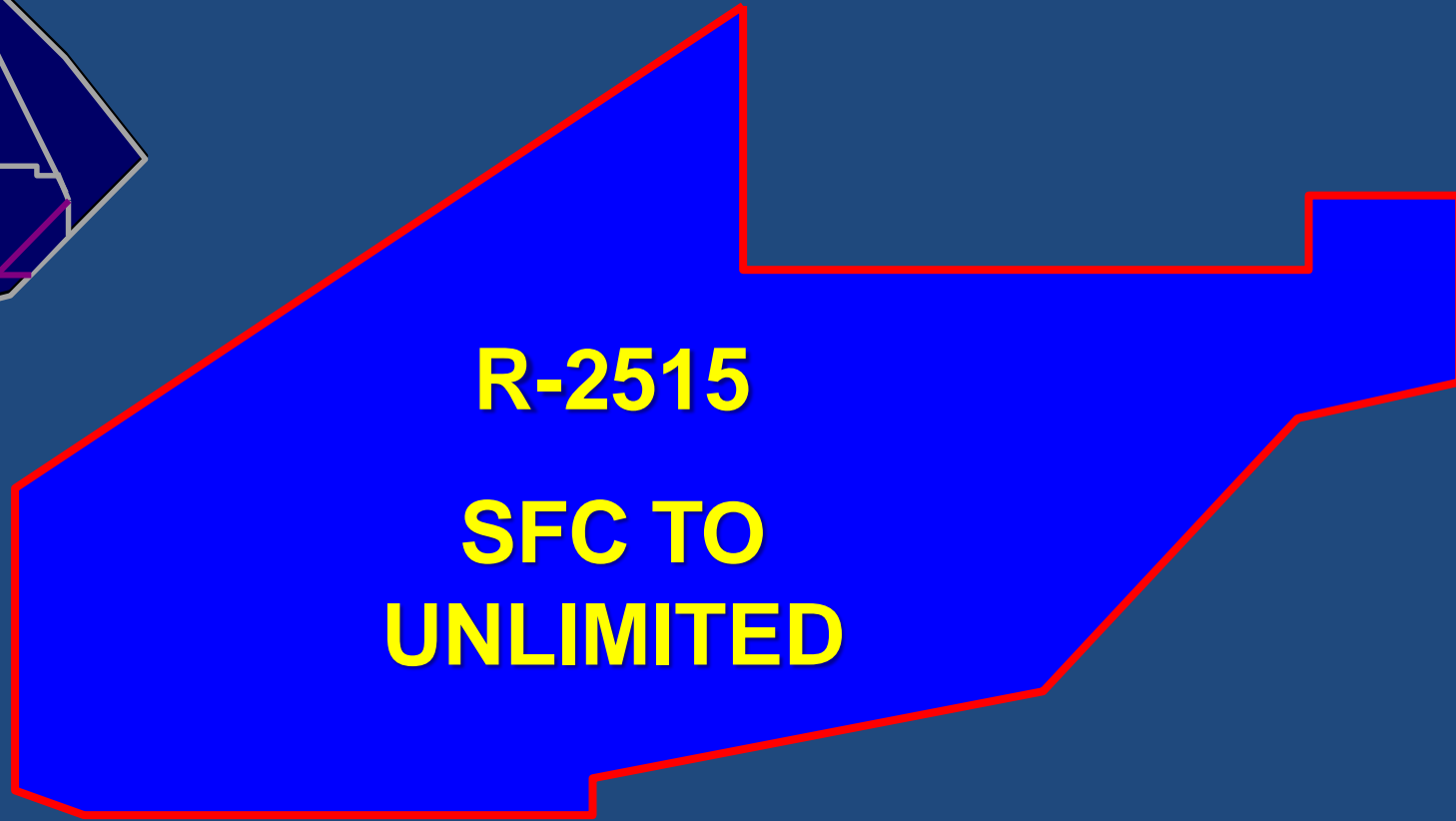


R-2515

412th Test Wing



**R-2508
COMPLEX**



**R-2515
SFC TO
UNLIMITED**

R-2515 Info available online @ ...

<http://www.edwards.af.mil/Home/R-2515-Airspace>

- R-2515 Airspace Brief
- EAFBI 13-100
- PPR Requests
- SPORT Pre-Brief Sheet
- EAFB W_x
- R-2508 Airspace, DoD NOTAMs, FAA Pubs ...and *MORE!*

The screenshot displays the Edwards Air Force Base website's navigation and content for the R-2515 Restricted Airspace. At the top, the Edwards Air Force Base logo and name are visible, along with a "JOIN THE AIR" link. A navigation menu includes "HOME", "NEWS", "ABOUT US", "UNITS", and "CONTACT US". A search bar is located on the right. The main content area features a map titled "EDWARDS AFB R-2515 Restricted Airspace" showing various Restricted Airspace (R) and Military Operations Areas (MOA) and Air Traffic Control Areas (ATCAA). The R-2515 area is highlighted in blue. Other labeled areas include Bishop MOA, Deep Springs ATCAA, Saline MOA-ATCAA, Owens MOA-ATCAA, Panamint MOA-ATCAA, Shoshone MOA, Shoshone North ATCAA, Shoshone South ATCAA, Barstow East MOA-ATCAA, Barstow West MOA-ATCAA, Buckhorn MOA-ATCAA, Bakersfield MOA-ATCAA, Postville MOA-ATCAA, Isabella MOA-ATCAA, and R-2505, R-2508, R-2524, R-2502N, and R-2502E. A compass rose is also present. To the right of the map is a "R-2515 DOCUMENTS" section with a list of links including "R-2515 Airspace Brief", "R-2515 Prior Permission Request (PPR) Brief", "KEDW PPR Request Form", "R-2508 Link", "R-2508 SITREP Form", "Edwards AFB 13-100, Fly, Airfield Operations", "Edwards AFB 11-115, SOP Procedures for Air/Ground", "Space Positioning Optical Tracking (SPORT) Survey", "SPORT's Pre-Brief Sheet", "ATC Tower Instrument Reference Course Brief", "ATC Tower Survey", "ATC Tower Pilot Survey", "Airfield Operations Aircrew Questionnaire", "Airfield Operations Transition Information", "Airfield Operations Airfield", "Edwards AFB Weather", "Defense Internet NOTAMs", "FAA Publications", "Edwards AFB Initial Point of Contact", "Edwards AFB Website Home", and "SkyVector Website". Below the map are two sections: "ABOUT R-2515 AIRSPACE" and "NEED MORE INFORMATION?". The "ABOUT R-2515 AIRSPACE" section states: "Since 1942, R-2515 has seen virtually every major milestone achievement in both manned and unmanned flight. From breaking the sound barrier and development of spacecraft, to the dawn of unmanned systems...". The "NEED MORE INFORMATION?" section states: "Prior to flying within R-2515, all pilots must receive an airspace briefing by the R-2515 Airspace Management Office. Contact the R-2515 Airspace Office by e-mail, phone or postal mail. R-2515 Airspace Management Office: 2515@edwards.af.mil, 951-824-7323, 2515@edwards.af.mil, 2515@edwards.af.mil".

R-2515 Airspace Brief

- ❑ **RESTRICTED AREA 2515:** R-2515 falls within the R-2508 Complex. The 412 Test Wing is the Using Agency for R-2515. R-2515 has several internal areas developed for special use/flight test. When R-2515 is active, aircrew can expect multiple hazardous activities to be in effect. These hazardous activities include:
 - ❑ UAS ops
 - ❑ Spin, High Altitude drops/fast maneuvering flight
 - ❑ Supersonic
 - ❑ Bombing/Air-to-Ground weapon delivery
 - ❑ Lasering, LIDAR, Lights Out
 - ❑ Non-standard tower patterns

- ❑ **AIRSPACE ACTIVATION:** R-2515 is NOTAM'd active SFC to Unlimited continuously. However, during times of inactivity, most of the airspace will be released back to the FAA (Joshua Approach) for joint use.
 - ❑ **R-2515 is always active or “HOT”, SFC to 6K ft.**

- ❑ **PARTICIPANT:** To be a participant you must receive an airspace briefing. If on a DD-175 ensure “Participant” or “Non-Participant” is entered into the first line of the remarks section.

R-2515 Airspace Brief

- ❑ **Participating Aircraft:** Aircraft that operate within R-2515 and R-2508 under the concept of **VFR - See and Avoid - Non-Exclusive Use**, regardless of altitude. IFR services and separation cease at the Special Use Airspace (SUA) boundary inbound for arrivals and begin at SUA boundary outbound for departures. Participating aircraft will receive minimal or no delay when arriving or departing Edwards AFB or transiting R-2508 shared use airspace.

- ❑ **Non-Participating Aircraft:** Aircraft unable to operate under VFR, See and Avoid, and require IFR services and separation within R-2515. Application of IFR Arrival/Departure procedures with R-2515 requires SPORT Military Radar Unit to return the Palmdale Corridor airspace to the FAA so IFR separation services can be provided. This has a significant negative impact to other user's of R-2515. Non-Participating aircraft may encounter significant arrival/departure delays. Non-Participating aircraft will be denied entry into R-2508 Complex ATCAA and Restricted area airspace.

R-2515 Airspace Brief

- ❑ **VFR “SEE and AVOID”**: Aircraft operate within R-2508/R-2515 under VFR “SEE AND AVOID” non-exclusive use airspace. If at any time you are unable to maintain VMC conditions, advise SPORT or Joshua Approach as appropriate

- ❑ **SPORT MRU C2 SERVICES**: SPORT MRU provides Command and Control (C2) services within R-2515 activated altitudes during they’re operating hours. The MRU controllers are not air traffic controllers and cannot provide standard air traffic control separation services. However, they provide C2 services such as radar monitoring, traffic advisories, airspace boundary calls and issue instructions (Headings & altitudes) for airspace de-confliction.
 - ❑ Prior to entering R-2515, contact SPORT MRU on 132.75 or 343.7

- ❑ **IFR**: IFR separation services are not provided within R-2515 activated “HOT” altitudes. IFR arrival clearances are automatically cancelled at the R-2508/R-2515 boundary, respectively. IFR departure clearances will begin at the boundary exiting R-2508/R-2515. *Exception: IFR Arrivals/Departures via the Palmdale Corridor*

- ❑ **CLEARANCE**: Aircraft will be on an R-2508 Complex Clearance (i.e. Pancho 3). Clearances will state "Maintain VFR within the Complex". This phrase is to remind you that all portions of flight is VFR.

R-2515 Airspace Brief

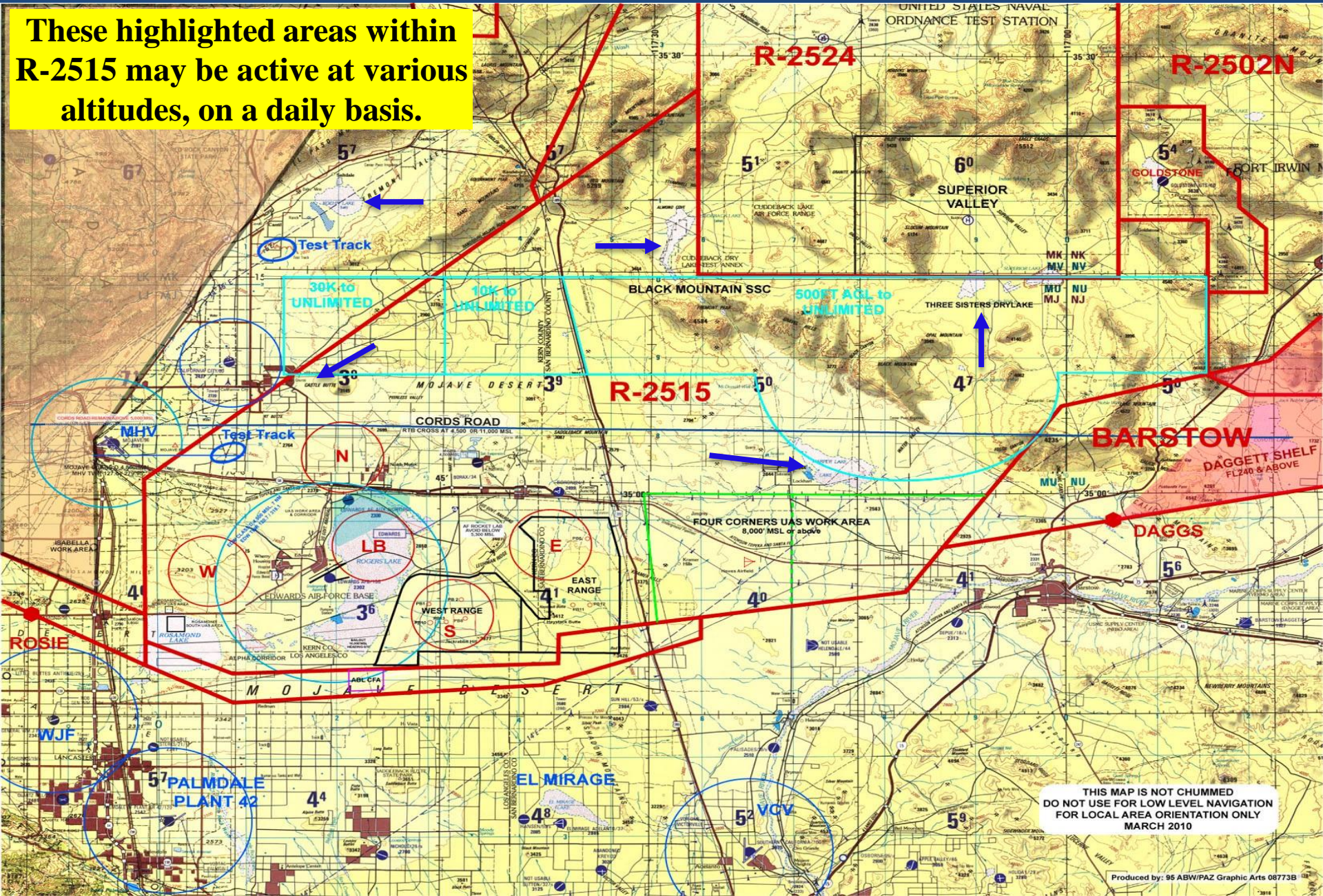
- ❑ **JOSHUA APPROACH:** When SPORT is closed and there is scheduled activity in R-2515, the airspace is released to Joshua Approach above 6K ft . Joshua Approach provides limited services, such as traffic information and airspace boundary calls. Unlike SPORT, they do not provide de-confliction services within the active Restricted airspace. When the airspace is released for joint use (No scheduled activities), Joshua Approach will provide standard ATC services.
- ❑ **AUTHORITY:** The authority of SPORT or Joshua Approach to approve or disapprove requests for entry is final. All directions to evacuate the area or comply with any of the requirements or restrictions thereby imposed are mandatory. Responsibility for safety of flight within the designated area remains with the pilot of the aircraft.
- ❑ **CLASS DELTA :** Edwards Tower control's the Class D airspace. They are certified air traffic controllers and provide standard ATC VFR services. Be cognizant of non-standard traffic patterns. Aircrew must not overfly base housing or base clinic.
- ❑ **LAKEBED RUNWAYS:** There are 22 runways on Rosamond and Rodgers dry lakebeds. Airfield Management and Tower can provide real-time updates on runway status/restrictions/availability. (Comm: 661-277-2222, DSN 527-2222)

R-2515 Airspace Brief

- ❑ **SCHEDULING**: Aircrew who wish to utilize R-2515 must schedule it. If the airspace is not scheduled for Special Use, it will be returned to the FAA for joint use. Scheduling is done through 412 OSS/Current Ops Scheduling offices at the following numbers:
 - ❑ For same day scheduling call (661) 277 - 3940
 - ❑ For Schedule planning (next day) call (661) 277 - 4110.
- ❑ Current Ops Scheduling will give you a 4 digit Operations Number. You will be asked for this number to gain access to R-2515.
- ❑ Civil aircraft are not normally authorized to transit or operate within R-2515. However, certain official civil activities are approved for access.
- ❑ All civil aircraft who require access must have a Letter of Agreement (LOA) on file with the 412 TW. One-time operations may be approved by the 412 TW on a case by case basis.
- ❑ **Always check the current “KEDW” NOTAMs prior to operating in R-2515.**

Airspace for Special Use

These highlighted areas within R-2515 may be active at various altitudes, on a daily basis.



THIS MAP IS NOT CHUMMED
DO NOT USE FOR LOW LEVEL NAVIGATION
FOR LOCAL AREA ORIENTATION ONLY
MARCH 2010

SPORT PRE-BRIEF SHEET

R-2515 SPORT Prebrief

Fax to: 7-8863

C/S: .AMMO 71

T/O Time: 0830L

Ops #: 1234-1

A/C #xType: T-38

Comm UHF: CH 5

Comm VHF:

Phones ---

Ops Desk: TPS

Ops Sup: TPS

Control Rm:

Mission, types of maneuvers, working altitudes, requested
Primary and backup airspace (Spin, PIRA, Cords, etc.):

Requesting Block 8-12K, Need 20NM Legs

Pri: Cords Road

B/U: Black Mountain

B/U: R-2524

RTB Initial EDW

SAMPLE INFO

PIRA

Events: .

Target:

Max Alt:

Buckhorn: Yes / No

Laser: CMBT/TRN

Flt Ld Cntl: Yes / No

Video BS: Yes / No

Tanker

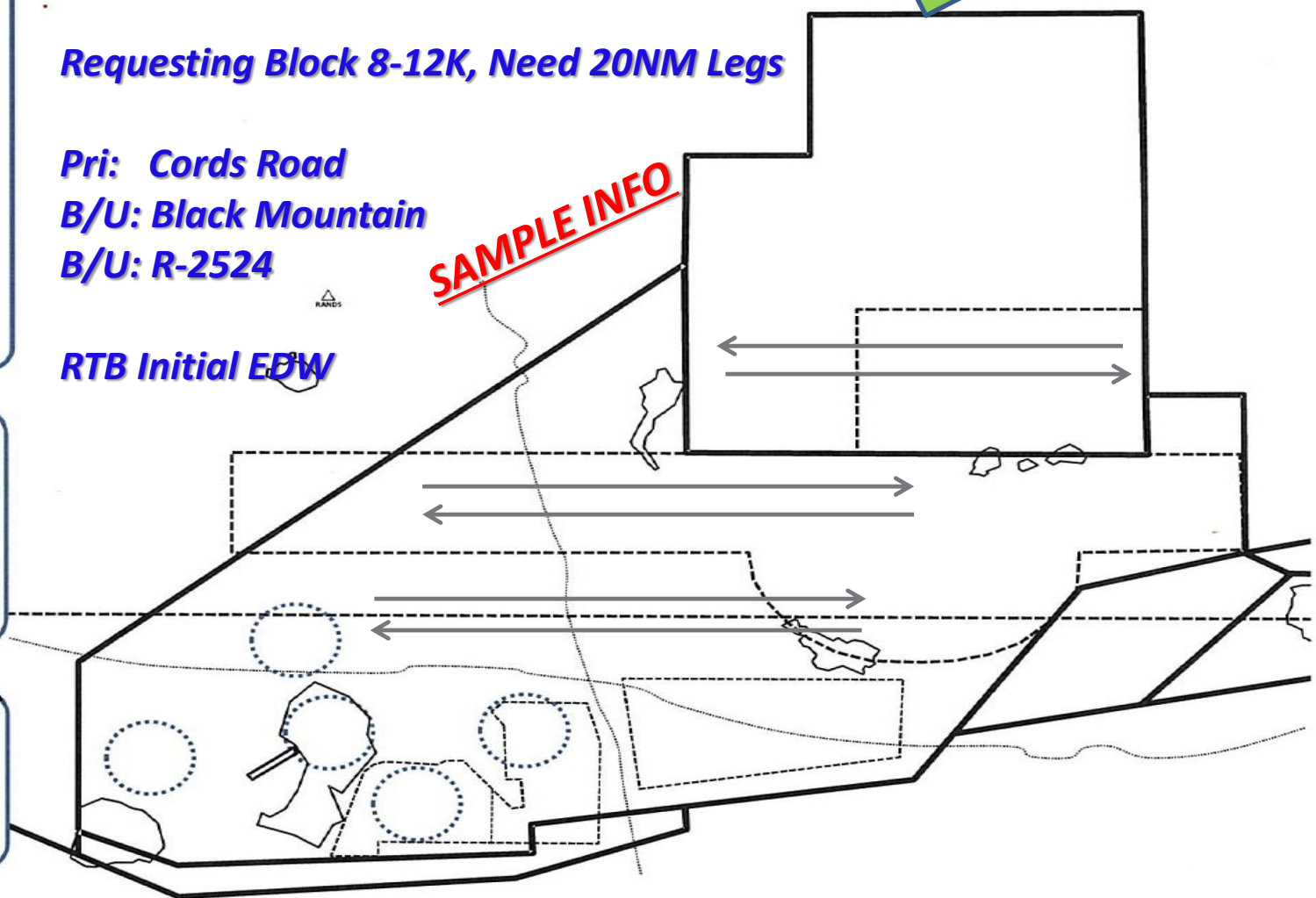
C/S: .

Track:

Altitude:

ARCT:

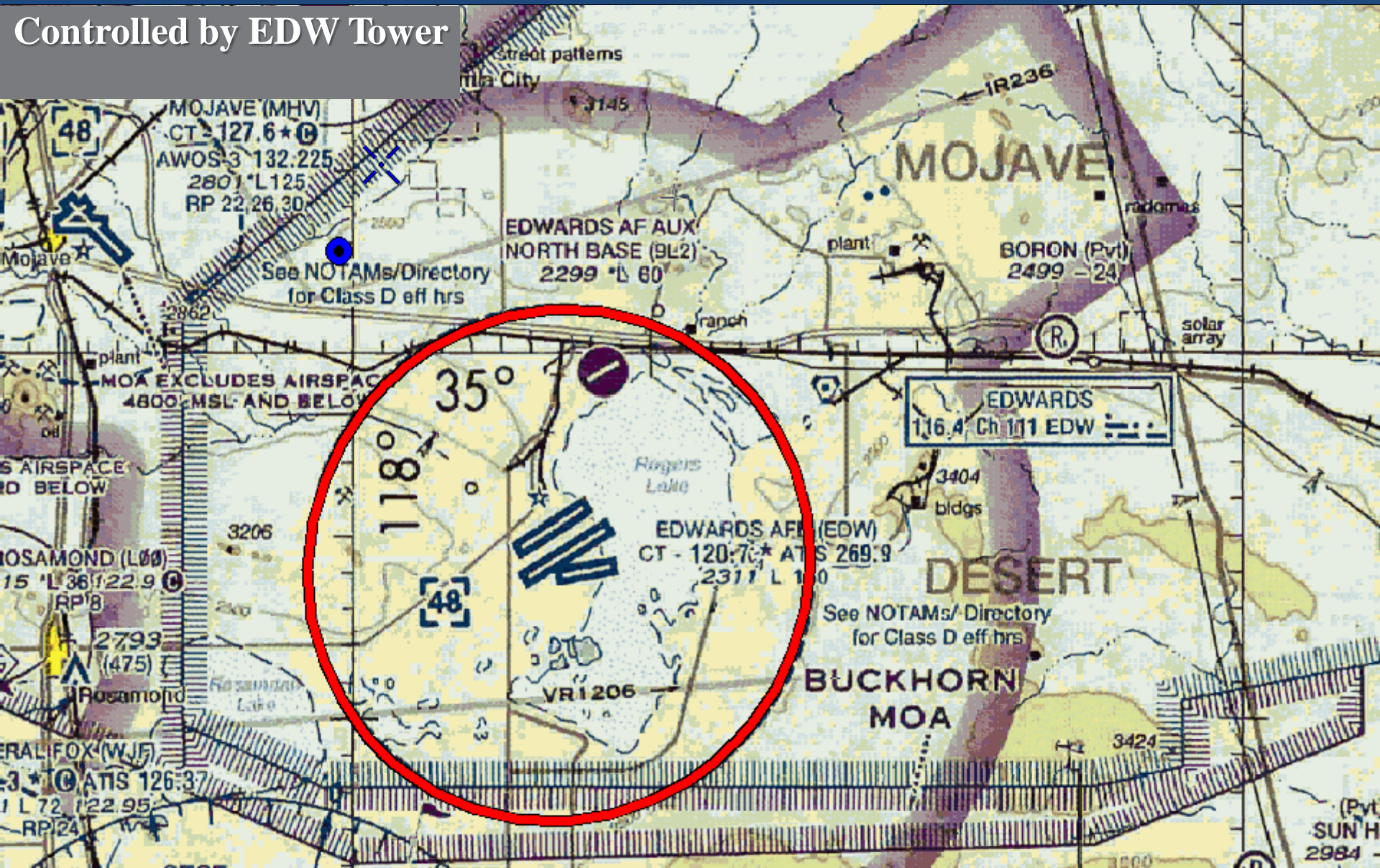
Notes:



Edwards AFB Class D Airspace

7 NM – 4,800' MSL

Controlled by EDW Tower

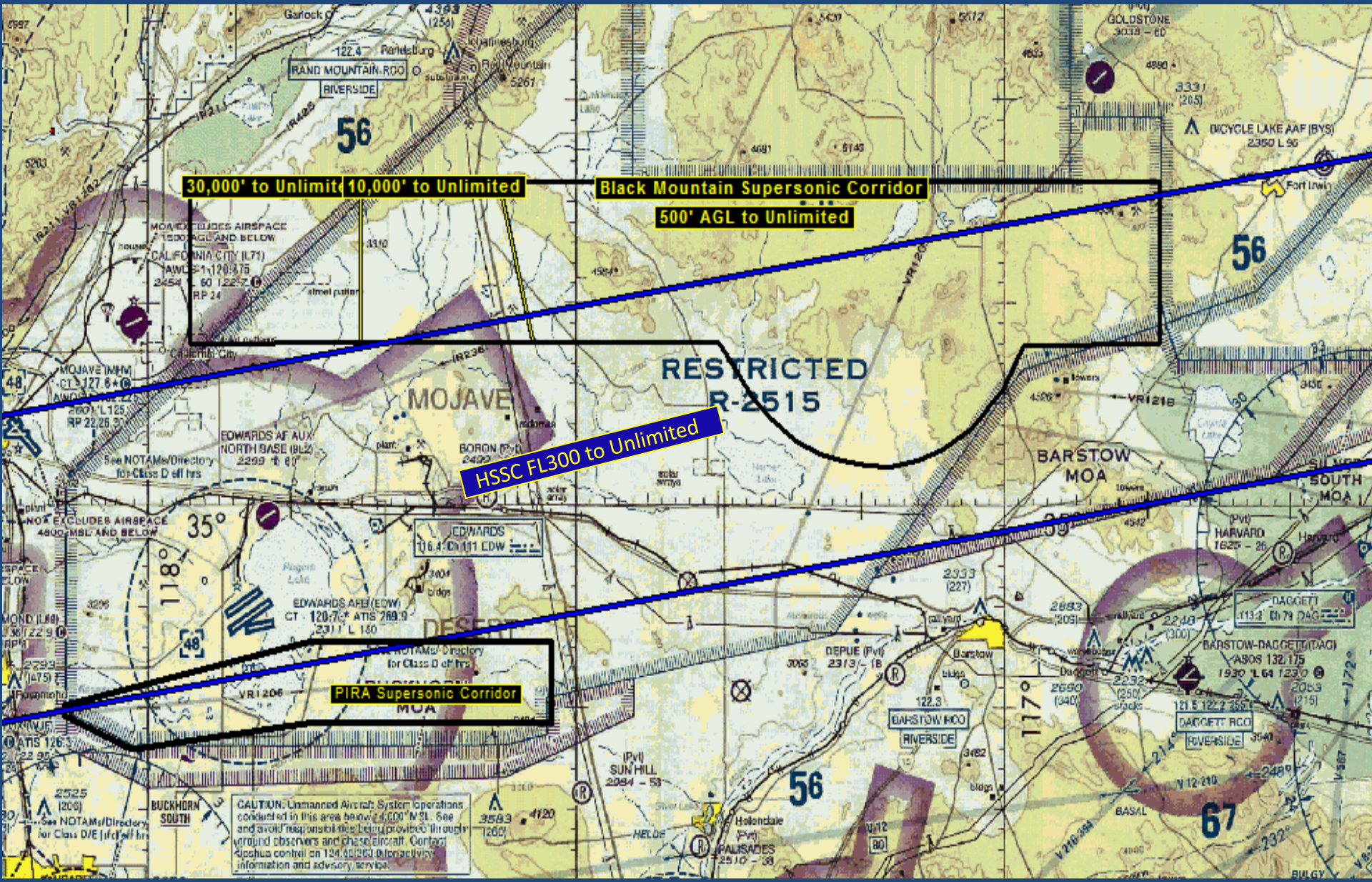


PALMDALE CORRIDOR

SFC to 8,000 MSL



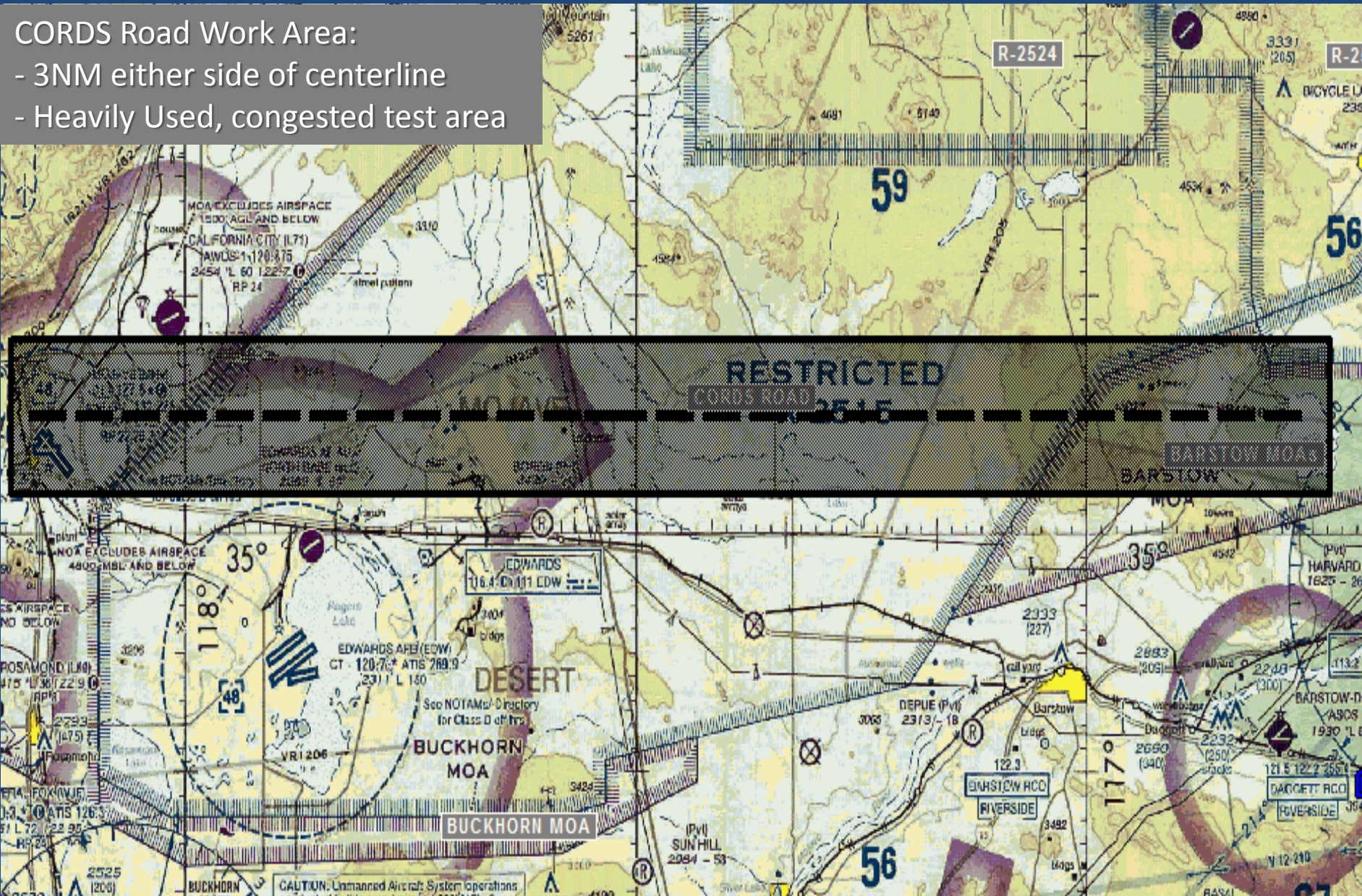
SUPERSONIC AREAS



CORDS ROAD

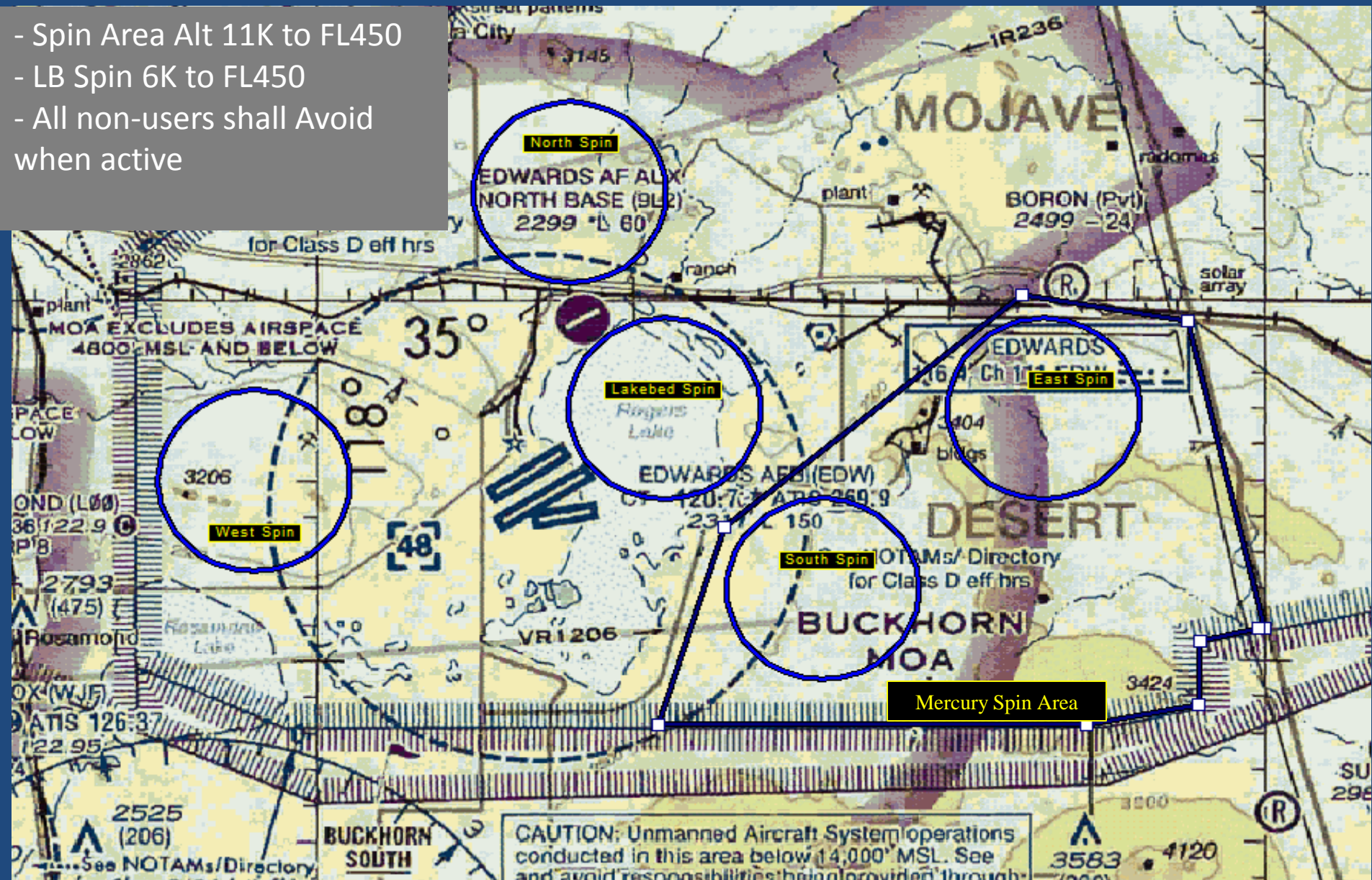
CORDS Road Work Area:

- 3NM either side of centerline
- Heavily Used, congested test area



SPIN AREAS

- Spin Area Alt 11K to FL450
- LB Spin 6K to FL450
- All non-users shall Avoid when active



DROP ZONES

Housing DZ Avoidance Areas:
1.5 NMR
2.5 NMR HAHO Jumps

A EXCLUDES AIRSPACE
800' MSL AND BELOW

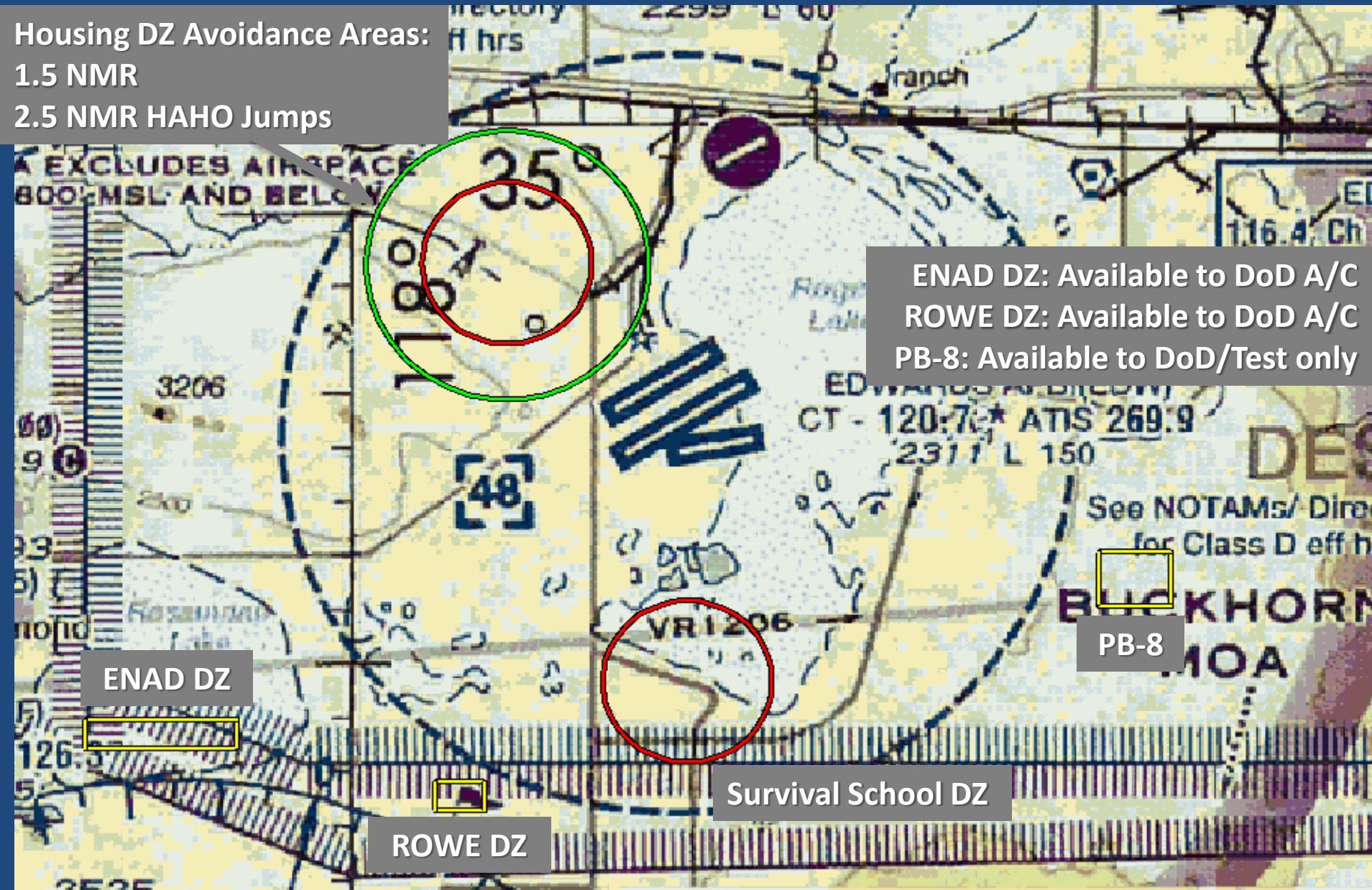
ENAD DZ: Available to DoD A/C
ROWE DZ: Available to DoD A/C
PB-8: Available to DoD/Test only

ENAD DZ

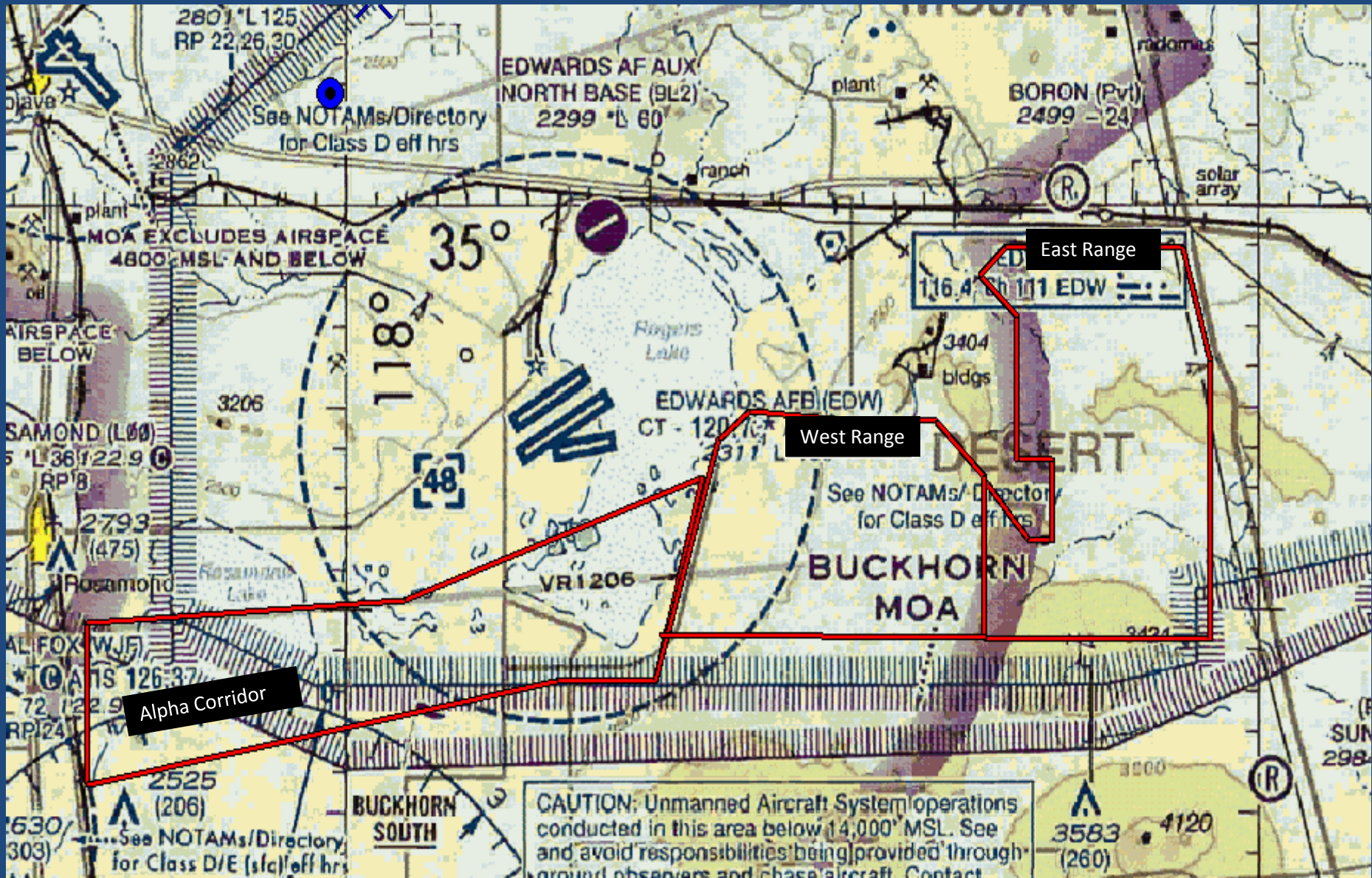
PB-8

ROWE DZ

Survival School DZ

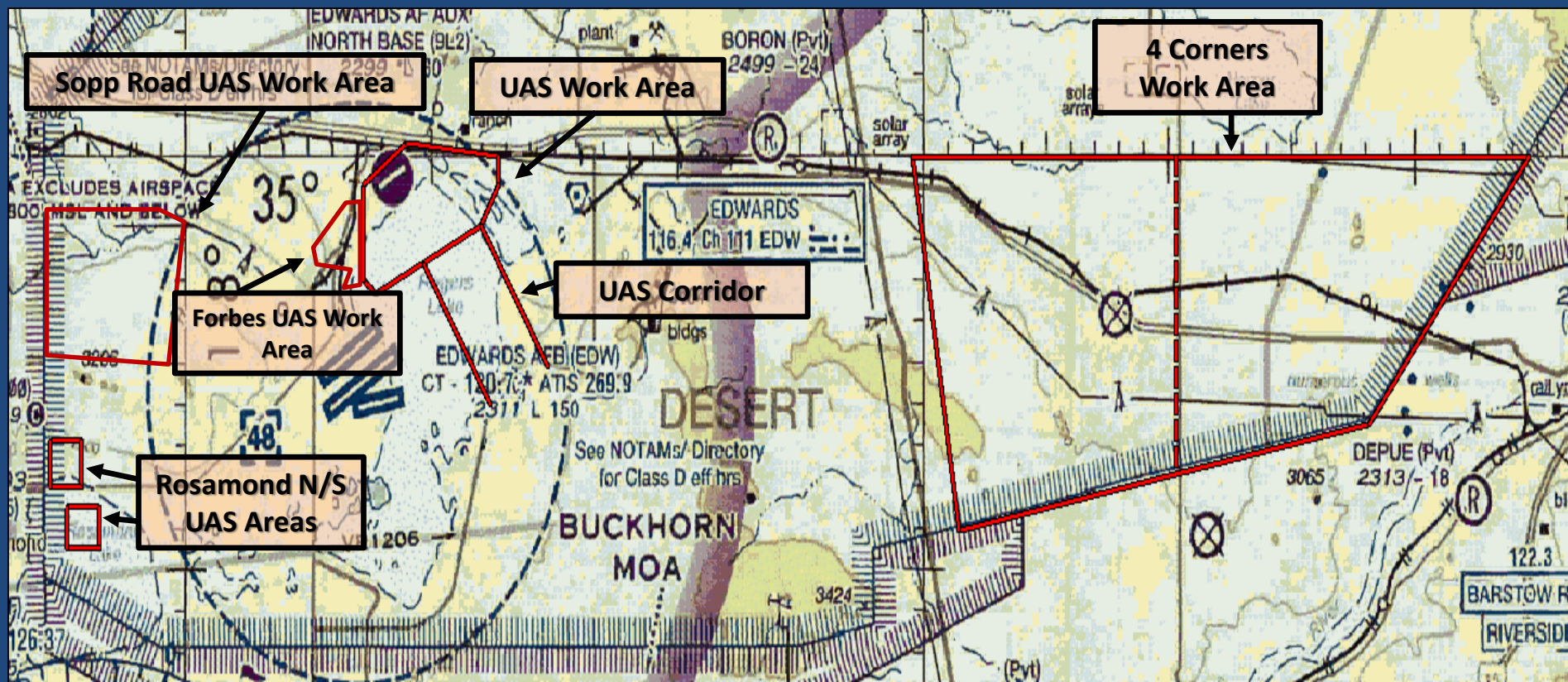


RANGES & TARGETS



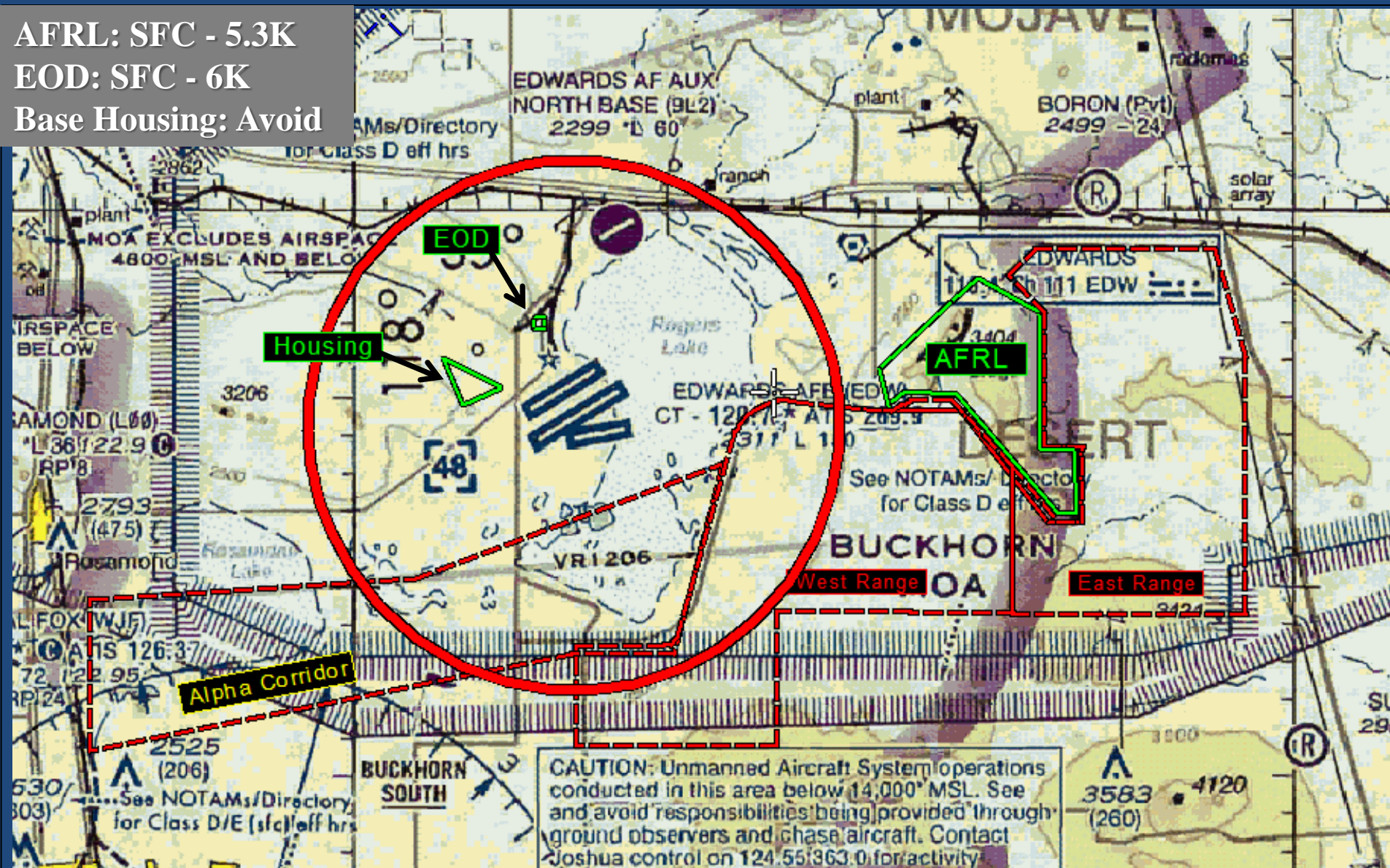
UAS AREAS

- ❑ Sopp Road UAS Work Area: SFC - 500' AGL
- ❑ UAS Work Area: SFC - 10,000' MSL (primarily used by NASA)
- ❑ Four Corners Work Area: 8K' MSL - FL400 (or higher as req'd) SPORT may release 2K' above & below UAS activities
- ❑ Forbes UAS Work Area: SFC - 500' AGL
- ❑ Rosamond North UAS Area: SFC - 500' AGL; Frequently used by sUAS projects.
- ❑ Rosamond South UAS Area: SFC - 3,000 AGL
- ❑ UAS Corridor: 500' MSL - Unlimited
- ❑ North UAS Extension Area: SFC - 4,800' MSL (not depicted)

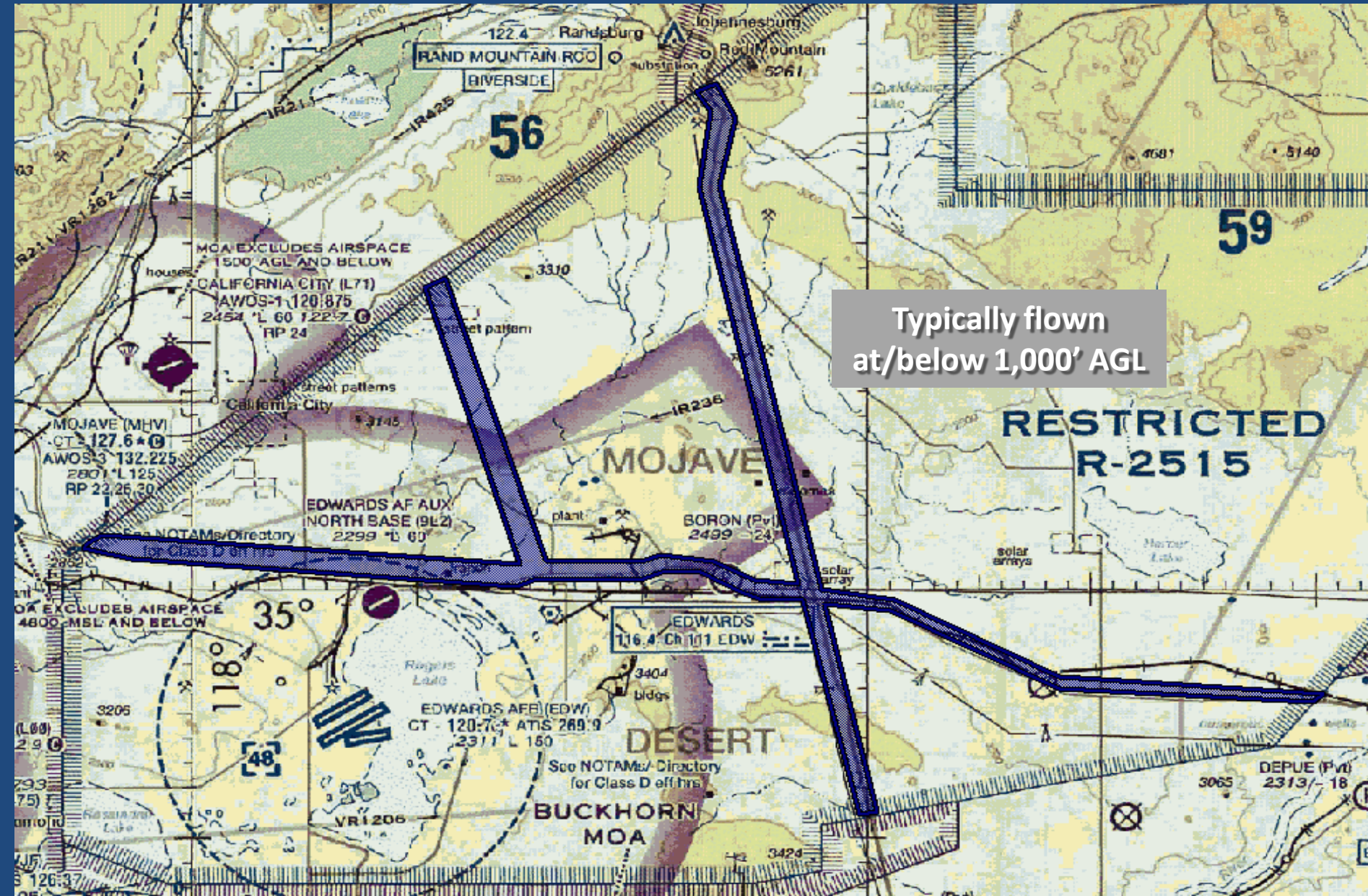


NO FLY AREAS

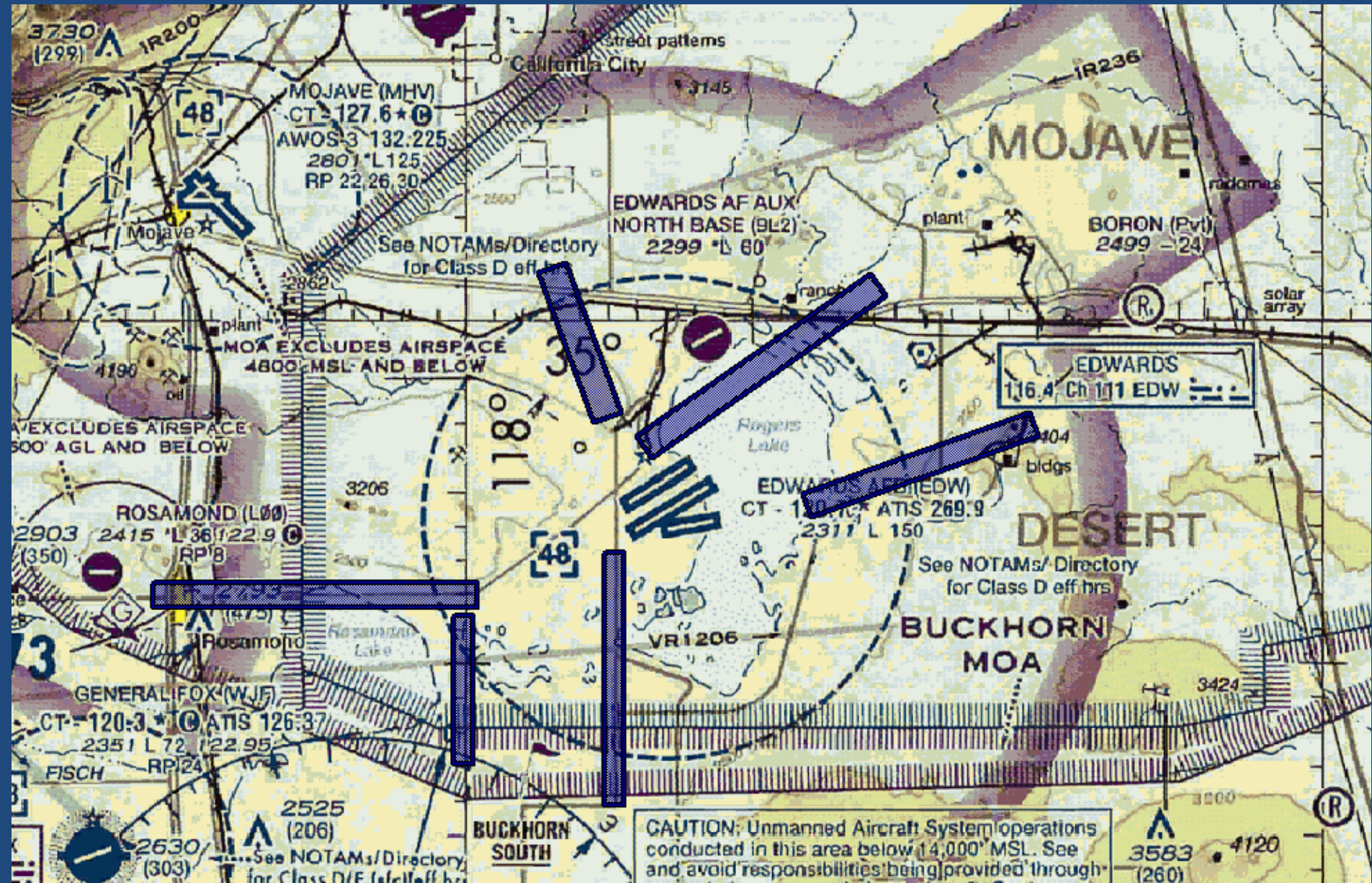
AFRL: SFC - 5.3K
EOD: SFC - 6K
Base Housing: Avoid



GENERAL AVIATION TRANSIT ROUTES



LIGHT AIRCRAFT/HELO ARR/DEP ROUTES



SOF/AIR BOSS FOR R-2515

- ❑ Primary Role – Assist SPORT with real-time oversight of 412 TW flight operations, safety, mid-air collision avoidance, and provide real-time airspace coordination/deconfliction assistance to aircrews.
- ❑ SPORT Watch Supervisors and Operations Coordinators consult with the SOF/Air Boss for airspace deconfliction and to determine mission and or resource priorities.
- ❑ The Air Boss may direct aircrew actions through the SPORT Watch Sup/Ops Coordinator to the Mission Controller.
- ❑ Aircrew fax SPORT Prebrief Sheet, call SPORT before step, contact SPORT prior to takeoff.

QUESTIONS