

## Letter of Agreement

Effective: August 31, 2021

1. **PURPOSE.** To establish procedures for the coordination of air traffic and radar handoffs between Oakland and Los Angeles Centers. This letter also delegates jurisdiction of portions of the Los Angeles Center control area to Oakland Center and portions of the Oakland Center control area to Los Angeles Center.
2. **SCOPE.** The procedures contained herein are for use between Oakland Center and Los Angeles Center for the controlling of air traffic and the handling of aircraft transitioning between Centers.
3. **CANCELLATION.** All previous agreements are cancelled.
4. **PROCEDURES.**
  - a. **Definitions**
    - i. ZLA Areas
      1. Empire Area: KONT, KCNO, KPOC, KAJO, KEMT, KRAL, and KSBD airports.
      2. Coast Area: KSNA, KLGB, KTOA, and KFUL airports.
      3. Burbank Area: KBUR, KVNY
      4. San Diego Area: KSAN, KCRQ, KNFG, KOKB
      5. LA Basin: All airports in Southern California
      6. Las Vegas Area: KLAS, KVGT, KHND, KBLU, and KLSV airports.
    - ii. ZOA Areas
      1. Oakland Area: KOAK, KHWD
      2. Sacramento Area: KSMF, KSAC, KMHR, KMCC, O88
      3. Bay Area: KSFO, KOAK, KSJC, KNUQ, KCCR, KHWD, KLVK, KAPC, KRHV, and KSQL airports.
  - b. **General.**
    - i. Preferred routes and altitude restrictions for turbojet aircraft are described in Attachments 1 and 2.
    - ii. Each Center must advise the other of the configuration of the adjacent sectors. Coordination may be accomplished either verbally or via PM.
    - iii. Each Center must keep the other advised, in a timely manner, of any changes, including sector saturation, weather, or equipment malfunction, which may limit or adversely affect air traffic control and/or facility operation.
    - iv. Each facility must advise the other of the release of military operating area (MOA), warning area and restricted airspace immediately adjacent to the common boundaries.
    - v. Los Angeles Center Sectors 04, 25, and 28 release control for descent to Oakland Center Sector 14 and 11 on all traffic landing NCT 15NM south of the common boundary.
    - vi. Oakland Center Sector 44 shall have control for vectors north of Beatty (BTY).
    - vii. Los Angeles Center Sector 16 shall have control within 10NM of the common boundary for Las Vegas Area bound aircraft.

- viii. Los Angeles Center Sector 04 shall descend all FAT, VIS, and TLR arrivals to 14,000 and handoff to Oakland Center Sector 11. All arrivals filed below 14,000 shall be handed off to Fresno Approach.
- ix. Los Angeles Center Sectors 04, 25, and 28 shall descend NLC arrivals to 11,000 or lower filed altitude, whichever is higher, and hand off to Lemoore RATCF.
- x. Oakland Center Sector 11 shall descend all BFL arrivals to 11,000 and hand off to Bakersfield Approach.

c. Domestic

- i. Excluding San Luis Obispo (SBP) Airport RWY 29 departures, SBP departures entering Oakland Center airspace requesting above 14,000 feet MSL must be assigned an interim altitude of 14,000 MSL and handed off to Oakland Center Sector 11. Oakland Center has control to climb the aircraft to the lower of the requested altitude or FL230. Aircraft filed via V27 Big Sur (BSR) must be cleared direct BSR VORTAC, unless otherwise coordinated.
- ii. Turbojet aircraft departing San Francisco International (SFO) and Oakland International (OAK) Airport with destinations of San Diego International (SAN), Santa Ana-John Wayne International (SNA), Long Beach International (LGB), or Mexico must be assigned the proper offshore departure procedure when W-285B is available and SFO is in West configuration. Los Angeles Center has control 15NM north of the common boundary for radar vectors up to 40 degrees either side of assigned route.
- iii. Whenever miles-in-trail restrictions are imposed for Los Angeles International (KLAX) Airport arrivals, Oakland Center Sector 11 must ensure that the specified spacing will be in effect no later than a 25NM arc north of DOUIT intersection.
- iv. Whenever miles-in-trail restrictions are imposed for identified facility airports, sequencing must be ensured regardless of altitudes.
- v. Oakland Center will ensure DME-equipped turbojet aircraft departing Monterey, Salinas, Marina, and Watsonville landing Long Beach and Orange County are routed via the existing Offshore Route, joining that route no further south than MCKEY/YYUNG/TILLT unless coordinated with Los Angeles Center.

5. Delegation of Control Area Jurisdiction

6. Attachments

- a. Attachment 1. Preferred Routes and Altitudes for Turbojet Flights from Oakland Center to Los Angeles Center.
- b. Attachment 2. Preferred Routes and Altitudes for Turbojet Flights from Los Angeles Center to Oakland Center.
- c. Attachment 3. Paso Robles Area.
- d. Attachment 4. Leemore Area
- e. Attachment 5. Los Angeles Center Oceanic Shelf
- f. Attachment 6. List of Changes

**ATTACHMENT 1. PREFERRED ROUTES AND ALTITUDES FROM OAKLAND CENTER TO LOS ANGELES CENTER FOR TURBOJETS AND TURBOPROPS (as specified)**

Preferred routes and altitudes for aircraft originating in or over-flying Oakland Center and entering Los Angeles Center.

<b>DEPARTURE AIRPORT</b>	<b>DESTINATION AIRPORT</b>	<b>APPROVED ROUTES</b>	<b>ALTITUDE/ NOTES</b>
<b>FAT</b>	LAX	..PONDD..TAFTO..MUPTT.IRNMN STAR	AOB FL230
<b>MRY</b>	LAX	..TOKIO.HUULL STAR ..VTU.SADDE STAR (Non-RNAV)	AOB FL230
<b>All Other Jets</b>	LAX (West)	..IRNMN STAR ..SADDE STAR (Non-RNAV)	
<b>All Other Jets</b>	LAX (East)	..ZUUMA STAR ..MOOR STAR (Non-RNAV)	
<b>All Other Props</b>	LAX/SMO	..WAYVE STAR ..KIMMO STAR (Non-RNAV)	
<b>COAST AREA</b>			
<b>SFO/OAK</b>	LGB	..TILLT.BAUBB STAR ..RDHOT.PCFIC STAR OFFSH# SXC or COAST# SXC	AOA FL250
<b>SFO/OAK</b>	SNA	..TILLT.TILLT STAR ..OHSEA STAR OFFSH# SXC or COAST# SXC	AOA FL250
<b>SJC</b>	LGB/SNA	..FLW..GOONA.OHSEA STAR ..FLW.TANDY STAR (Non-RNAV)	AOA FL240
<b>RNO/SMF</b>	LGB/SNA	..REBRG.OHSEA STAR ..FIM.TANDY STAR (Non-RNAV)	AOA FL240
<b>All Others</b>	LGB	..PCFIC STAR ..TANDY STAR (Non-RNAV)	AOA FL240
<b>All Others</b>	SNA	..OHSEA STAR ..TANDY STAR (Non-RNAV)	AOA FL240
<b>BURBANK AREA</b>			
<b>SJC</b>	BUR/VNY	..EBAYE..BURGL..HONZK.ROKKR/IVINS STAR ..AVE FERN STAR (Non-RNAV)	
<b>All Others</b>	BUR/VNY	..RDHOT.ROKKR/IVINS STAR ..REBRG.ROKKR/IVINS STAR ..FLW.FERN STAR (Non-RNAV)	
<b>SAN DIEGO AREA/ MEXICO</b>			
<b>SFO/OAK</b>	SAN (West)	MCKEY..LAX.COMIX STAR YYUNG..LAX.COMIX STAR CISKO..FLW..LAX.COMIX STAR (SFOE) ..LAX.HUBRD STAR (Non-RNAV)	
<b>ALL</b>	SAN (West)	..LAX.COMIX STAR ..HUULK.COMIX STAR ..LAX.HUBRD STAR (Non-RNAV)	
<b>SFO/OAK</b>	SAN (East)	MCKEY..LAX.PLYYA STAR YYUNG..LAX.PLYYA STAR ..CISKO..FLW..LAX.PLYYA STAR (SFOE) ..LAX.SHAMU STAR (Non-RNAV)	
<b>ALL</b>	SAN (East)	..LAX.PLYYA STAR ..LAX.SHAMU STAR (Non-RNAV)	

<b>CONTINUED</b>			
<b>ALL</b>	MEXICO	..AVE.J1.LAX ..FIM..LAX ..FLW..LAX	
<b>EMPIRE AREA</b>			
<b>ALL</b>	ALL	ZIGGY STAR (Non-RNAV)	
<b>PALM SPRINGS</b>			
<b>ALL</b>	PSP/TRM/UDD	..SIZLR STAR PMD.V137.PSP (Non-RNAV)	
<b>LAS VEGAS AREA</b>			
<b>ALL</b>	LAS	..COKTL STAR ..GAMES STAR (Props)	AOB FL330
<b>ALL</b>	HND	..GAMES STAR	AOB FL330
<b>ALL</b>	VGT	..FLCHR STAR	AOB FL330
<b>ALL</b>	ALL (Non-RNAV)	..PUMLE STAR (LAS/HND only) ..OAL.J92.BLD	AOB FL330
<b>OTHER AIRPORTS</b>			
<b>ALL</b>	SMO	..BONJO STAR ..FERN STAR (Non-RNAV)	
<b>ALL</b>	SBA	..GVO..HABUT ..SNS.J88.RZS	
<b>ALL</b>	BFL	..V23.EHF	
<b>END OF ATTACHMENT 1.</b>			

**ATTACHMENT 2. PREFERRED ROUTES AND ALTITUDES FROM LOS ANGELES CENTER TO OAKLAND CENTER FOR TURBOJETS AND TURBOPROPS (as specified)**

Preferred routes and altitudes for aircraft originating in or over-flying Los Angeles Center and entering Oakland Center.

<b>DEPARTURE AIRPORT</b>	<b>DESTINATION AIRPORT</b>	<b>APPROVED ROUTES</b>	<b>ALTITUDE/ NOTES</b>
<b>LA Basin/ MEXICO</b>	SFO (West)	..STOKD..SERFR.SERFR STAR ..BSR.BSR STAR (Non-RNAV)	STOKD optional
<b>LA Basin/ MEXICO</b>	SFO (East)	..STOKD..SERFR.WWAVS STAR ..BSR..SHOEY..EUGEN (Non-RNAV)	STOKD optional
<b>PSP/ Burbank Area</b>	SFO (West)	..MAKRS..SERFR.SERFR STAR ..MAKRS..BSR	
<b>PSP/ Burbank Area</b>	SFO (East)	..MAKRS..SERFR.WWAVS STAR ..BSR..SHOEY..EUGEN (Non-RNAV)	
<b>Las Vegas Area</b>	SFO (West)	..DYAMD STAR ..OAL.MOD STAR (Non-RNAV)	
<b>Las Vegas Area</b>	SFO (East)	..ALWYS STAR ..OAL.MOD STAR (Non-RNAV)	
<b>SAN JOSE</b>			
<b>ALL/ MEXICO</b>	SJC	..SCTRR..TROXX.SILCN STAR ..ROBIE STAR (Non-RNAV)	AOB FL360
<b>PSP/ Burbank/ Empire Area</b>	SJC	..MAKRS..TROXX.SILCN STAR ..SNS	AOB FL360
<b>Las Vegas Area</b>	SJC (West)	..RAZRR STAR ..OAL.HYP SNS JESEN (Non-RNAV)	
<b>Las Vegas Area</b>	SJC (East)	..RAZRR STAR ..OAL.HYP..JAWWS (Non-RNAV)	
<b>LA Basin</b>	MRY	..MAKRS ..WIGGL..(West of MAKRS)	AOB FL320
<b>Las Vegas Area</b>	MRY	..BTY.J92.LIDAT..FRA..SNS	
<b>OAKLAND AREA</b>			
<b>LA Basin/ MEXICO</b>	OAK (West)	..EMZOH STAR	
<b>LA Basin/ MEXICO</b>	OAK (East)	..SKIZM STAR	
<b>LA Basin/ MEXICO</b>	All	..PXN STAR (Non-RNAV)	
<b>Las Vegas Area</b>	All (West)	..OAKES STAR ..SHARR STAR (HWD Only) ..BTY..LIDAT..SUNOL (Non-RNAV)	
<b>Las Vegas Area</b>	All (East)	..BANDD STAR ..SHARR STAR (OAK Only) ..BTY..LIDAT..SUNOL (Non-RNAV)	
<b>SACRAMENTO AREA</b>			
<b>LA Basin/ MEXICO</b>	SMF	..SUUTR STAR ..EHF.V23.FRAME (Non-RNAV)	
<b>LA Basin/ MEXICO</b>	ALL	..EHF.V23.FRAME (Non-RNAV)	
<b>Las Vegas Area</b>	SMF	..SLMMR STAR ..SWR.FLUNK (Non-RNAV)	AOB FL360
<b>Las Vegas Area</b>	MHR	..MVA.AMRVR STAR	AOB FL360
<b>Las Vegas Area</b>	ALL	..OAL..SWR	AOB FL360

**CONTINUED****RENO**

<b>LA Basin/ MEXICO</b>	RNO	..FMG	
<b>Las Vegas Area</b>	RNO (South)	..KENNO STAR ..MVA.RYANN STAR (Non-RNAV)	AOB FL340
<b>Las Vegas Area</b>	RNO (North)	..RUSME STAR ..OAL..TARVR..SPOON (Non-RNAV)	AOB FL340
<b>ALL</b>	NFL	..YERIN..	

**OTHER AIRPORTS**

<b>LA Basin/ MEXICO</b>	FAT	..TTE.ALTTA STAR (Non-RNAV)	
<b>Las Vegas Area</b>	FAT	..KENNO..BIH..FRA (Non-RNAV)	
<b>LA Basin</b>	CCR/ SCK	..NURAY..MOD ..CZQ	
<b>Las Vegas Area</b>	TNX/TPH	..BTY..TEZUM ..KENNO..TEZUM	

**LAX Noise Abatement Procedures**

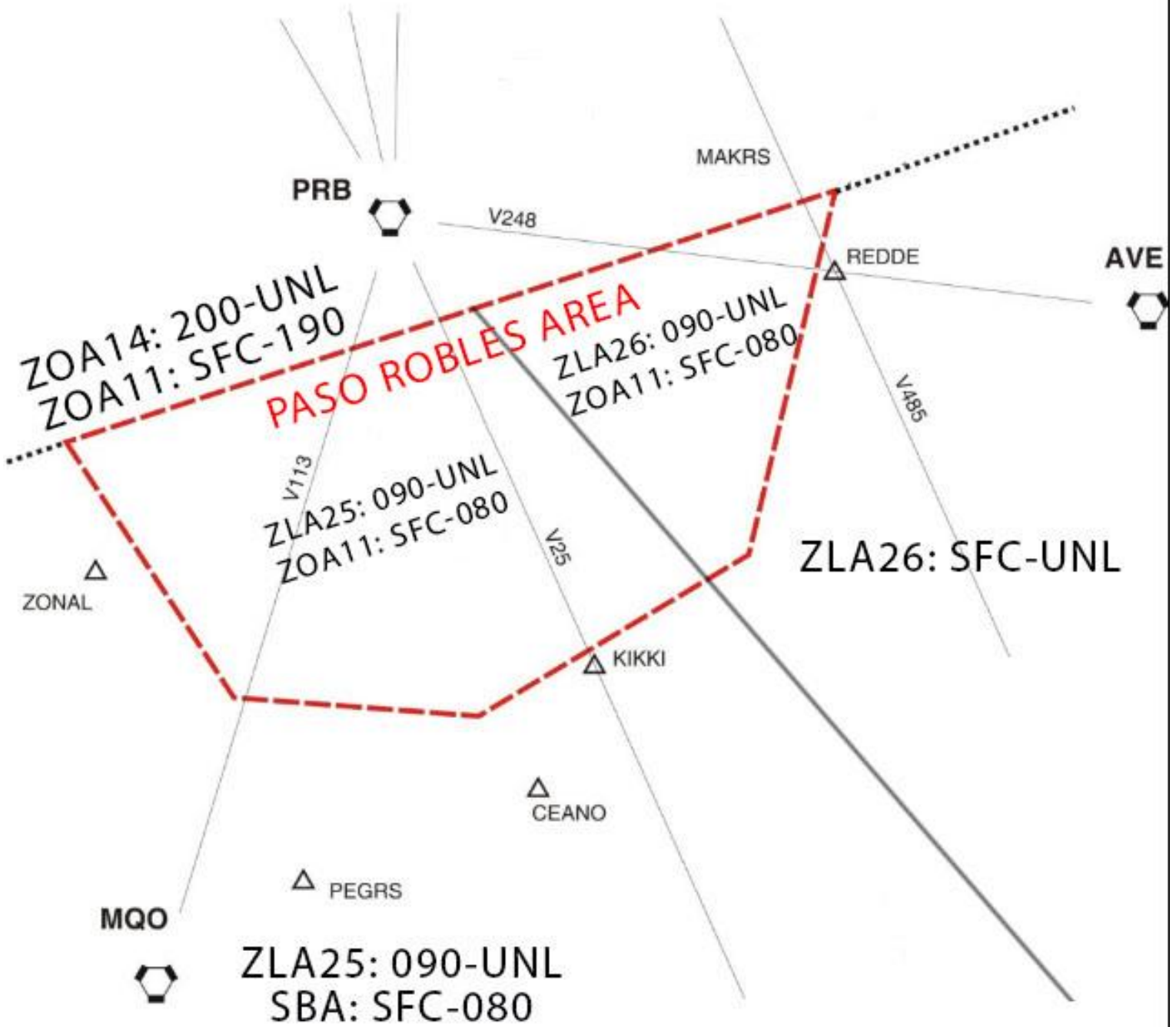
<b>LAX</b>	OAK/HWD	..FLW..EMZOH	
<b>LAX</b>	RNO	..FRA.J7.FMG	Over or East of AVE
<b>LAX</b>	SEA/ BFI/ PDX/ CYVR/ GEG	..SNS	West of PRB

**Preferred Asian Routing**

<b>LA Basin</b>	ALCOA/ REDWD/ LINUZ/ BOXER	..LIBBO..BRINY	
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**END OF ATTACHMENT 2.**

ATTACHMENT 3. PASO ROBLES AREA



ATTACHMENT 4. LEMOORE AREA

