

Effective: April 3rd, 2021

1. PURPOSE:

This letter of agreement establishes standard procedures for coordination of air traffic between Los Angeles ARTCC (ZLA) and Denver ARTCC (ZDV).

2. CANCELLATION:

All previous agreements are cancelled.

3. SCOPE:

The provision and procedures contained herein are supplemental to those contained in FAA Order 7110.65 and VATSIM/VATUSA policies/procedures.

4. VERSION:

List of Changes

Version	Date	Explanation of Changes
4.00	3APR21	Metroplex Overhaul. New STAR and routing for L30. Version Control added.

5. PROCEDURES:

1. Definitions:

- a. Empire Area: KONT, KCNO, KPOC, KAJJO, KEMT, KRAL, KSBD airports
- b. Coast Area: KSNA, KLGB, KTOA, KFUL airports
- c. Burbank Area: KBUR, KVMY airports
- d. San Diego Area: KSAN, KMYF, KCRQ, KSEE airports
- e. SoCal Area: All airports in Southern California
- f. Las Vegas Area: KLAS, KVGJ, KHND, KLSV airports

2. General Procedures:

- a. Minimum radar separation required by each facility is 5 nautical miles (NM)

- b. Either center may assign altitudes invalid for direction of flight provided specific verbal approach is obtained from the receiving center prior to handoff
 - c. A radar handoff and communications transfer constitutes transfer of control for turns up to 20 degrees and transponder code change without coordination
 - d. Either center may provide direct routing to RNAV or GPS equipped aircraft with destinations in the receiving center's airspace no further than a transition point on a published STAR. For airports not served with a STAR, aircraft may be routed direct a NAVAID nearest its destination airport
 - e. All aircraft landing Page Muni (PGA) must enter ZDV's airspace with clearance to 15,000 feet MSL or at the assigned altitude if lower. ZDV has control within 20 NM of the common boundary and control to change the data block to reflect clearance.
3. Los Angeles Center Shall
- a. Provide at least 10 MIT separation regardless of altitude between successive arrivals destined to the same airport in Denver Center (unless other separation is coordinated)
 - b. Route all KDEN arrivals from all ZLA areas via
 - i. DICEE BUMMP SSKII STAR [RNAV]
 - ii. DVC WUNZE TBARR STAR [RNAV]
 - iii. TBC SHNPS TBARR STAR [RNAV]
 - iv. HBU POWDR STAR [NON-RNAV]
 - c. Route all KCOS arrivals via
 - i. LAS J146 HBU DBRY STAR
 - ii. EED J236 TBC J128 HBU DBRY STAR
 - d. Route all KASE arrivals via
 - i. DICEE LOYYD SKIER DBL
 - ii. TBC DVC RIL TRUEL AJAXX
 - iii. DVC PITMN DBL
 - e. Route all KEGE arrivals via
 - i. LAS J146 HBU
4. Denver Center Shall
- a. Provide at least 10 MIT separation regardless of altitude between successive arrivals destined to the same airport in Los Angeles Center (unless other separation is coordinated)
 - b. Route all KLAX arrivals via
 - i. KLAX Landing West
 - i. HAKMN ANJLL STAR [RNAV]
 - ii. DNERO ANJLL STAR [RNAV]
 - iii. TBC J236 EED TNP SEAVU STAR [NON-RNAV]
 - ii. KLAX Landing East
 - i. HAKMN BIGBR STAR [RNAV]
 - ii. DNERO BIGBR STAR [RNAV]
 - iii. HEC BASET STAR [NON-RNAV]
 - iii. KLAX Noise Abatement
 - i. HAKMN MDNYT STAR [RNAV]
 - ii. DNERO MDNYT STAR [RNAV]
 - iii. HEC BASET STAR [NON-RNAV]
 - iv. Non-Turbojet (All landing configurations)
 - i. HEC PMD KIMMO STAR [NON-RNAV]
 - c. Route Las Vegas Area arrivals via the following, and At or Below FL320 at the border

- i. **KLAS [RNAV TURBOJETS]**
 - i. SQIRE.RKSTR STAR
 - ii. TYEGR.CHOWW STAR
 - ii. **KLAS [NON-RNAV TURBOJETS]**
 - i. PGA.BLAID STAR
 - iii. **KLAS [RNAV PROPS]**
 - i. PGA.BOEGY.T338.LNDIN
 - ii. PGS.BOEGY.T338.LNDIN
 - iv. **KHND [RNAV]**
 - i. BOEGY STAR
 - v. **KVGT [RNAV]**
 - i. WYLND STAR
 - vi. **ALL NON-RNAV PROPS**
 - i. PGA.MEADS.V562.LAS
 - d. Route KSAN arrivals via
 - i. KSAN Landing West
 - i. TTRUE LUCKI STAR [RNAV]
 - ii. TNP BARET STAR [NON-RNAV]
 - ii. KSAN Landing East
 - i. TTRUE TOPGN STAR [RNAV]
 - ii. TNP BARET STAR [NON-RNAV]
 - e. Route Coast Area arrivals via
 - i. SNA Landing South
 - i. MARUE DSNEE STAR [RNAV]
 - ii. NATEE DSNEE STAR [RNAV]
 - iii. HEC KAYOH STAR [NON-RNAV]
 - ii. SNA Landing North
 - i. MARUE ROOBY STAR [RNAV]
 - ii. NATEE ROOBY STAR [RNAV]
 - iii. HEC KAYOH STAR [NON-RNAV]
 - f. Route Empire Area arrivals via
 - i. All Landing Configurations
 - i. MARUE EAGLZ STAR [RNAV] [KONT ONLY]
 - ii. NATEE EAGLZ STAR [RNAV] [KONT ONLY]
 - iii. HEC ZIGGY STAR [NON-RNAV]
 - g. Route Burbank Area arrivals via
 - i. All Landing Configurations
 - i. WELUM JANNY STAR [RNAV]
 - ii. PURSE JANNY STAR [RNAV]
 - iii. HEC LYNXX STAR [NON-RNAV]
- 5. Airspace and sectorization
 - a. ZLA Operates combined on 125.80
 - b. When sectorized, ZDV shall hand all arrivals and overflights NORTH of ROOLL to ZLA Sector 54 (135.25)
 - c. When sectorized, ZDV shall hand all arrivals and overflights SOUTH of ROOLL to ZLA sector 35 (128.07)
 - d. ZDV Operates combined on 127.65

- e. When sectorized, ZLA shall hand all arrivals and overflights at FL270 and above to DEN_25_CTR (133.52).
- f. When sectorized, ZLA shall hand all arrivals and overflights at FL260 and below to DEN_11_CTR (120.47).

Approved:

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