LETTER OF AGREEMENT

EFFECTIVE: March 4, 2023

SUBJECT: Operational Coordination and Communication Procedures

1. **PURPOSE:** This agreement between Virtual Los Angeles Air Route Traffic Control Center (ZLA ARTCC) and Virtual Mazatlán Area Control Center (MZT ACC) establishes and describes the operational procedures for the provision and coordination of Air Traffic Control services for IFR aircraft transiting the common boundary between the United States and Mexico. These procedures are supplemental to those contained in all applicable ICAO documents, Federal Aviation Regulations, Mexico Air Traffic Regulations, and other appropriate Air Traffic Control manuals.

2. **CANCELLATION.** All previous agreements are canceled.

3. **DISTRIBUTION.** This agreement is to be distributed to all vMZT and vZLA controllers and staff.

4. **SCOPE.** This agreement covers procedures to be used for the movement of IFR aircraft between the United States and Mexico along the common boundary from 121.0 to 113.30 degrees west longitude (ZLA ARTCC/MZT ACC boundary). MZT ACC is from FL200 and above except the portion released to TIJ APP depicted in Attachment 3 – Map depicting TIJ APP area.

5. **RESPONSIBILITIES.** ZLA ARTCC and MZT ACC agree that either facility may coordinate and gain approval for an aircraft to operate temporarily in the other facility's airspace. Once approval has been granted, the facility which has agreed to retain control of the aircraft while the aircraft is in the other facility's airspace must always provide the aircraft with appropriate air traffic services.

6. **PROCEDURES.** Unless otherwise coordinated the following procedures must apply:
    a. Operational:
        i. All flights must be cleared to the destination airport.
        ii. Minimum in-trail spacing of 20 nautical miles (NM), same speeds or faster in front, must be provided between aircraft assigned the same altitude.
        iii. Aircraft proceeding southbound must be left on a discrete code.
        iv. ZLA ARTCC has control for a beacon code change on northbound aircraft at:

1. AXASA intersection, or
2. 30 NM south of ZLA ARTCC/MZT ACC boundary

v. Southbound traffic:
   1. Aircraft landing México City (MMMX), Monterrey (MMMY), Cancún (MMUN), and Hermosillo (MMHO) must be routed:
      a. Departures originating in ZLA airspace: via TCATE direct Peñasco VOR/DME (PPE) or Mexicali VOR/DME (MXL) UJ7 PPE.
      b. Overflight aircraft: via J93, or MXL UJ7 PPE
   2. Aircraft landing San Jose del Cabo (MMSD), Cabo San Lucas (MMSL), La Paz (MMLP), and Loreto (MMLT) must be routed over Tijuana VOR/DME (TIJ).
   3. Aircraft not listed in (a) or (b) above must be routed:
      a. Departures originating in ZLA airspace: over TIJ, TCATE direct PPE, MXL UJ7 PPE.
      b. Overflight aircraft: over TIJ, via J93, or MXL UJ7 PPE.
   4. IFR aircraft proceeding over MXL below FL200:
      a. 15 minutes prior to crossing the common boundary, IFR aircraft proceeding over MXL below FL200 must be coordinated with MXL APP or MZT ACC if offline. The aircraft must have radar service terminated and be instructed to contact MXL APP on 118.2 or MZT ACC on 128.0 if offline.

vi. Northbound Traffic:
   1. Overflights must be routed over TIJ or via J93.
   2. Los Angeles (KLAX) arrivals must be routed via AMMOR.OLAAA STAR or JLI.VISTA STAR between 0630 and 0000 KLAX local time, or via AMMOR.MDNYT STAR or JLI.OCEAN STAR between 0000 and 0630 KLAX local time
   3. Santa Monica (KSMO), John Wayne-Orange County (KSNA), Long Beach (KLGB), Ontario (KONT) Burbank (KBUR), and Van Nuys (KVNY) arrivals must be routed via J93.
   4. Aircraft landing KLAX or KSNA must be a minimum of five (5) miles-in-trail. For the purpose of sequencing, KLAX and KSNA are to be considered as one airport.
   5. KONT arrivals must be transferred at a lower altitude than KLAX arrivals if the ASUTA estimates are less than two minutes apart.
   6. Palm Springs (KPSP), Jacqueline Cochran Regional (KTRM), Bermuda Dunes (KUDD), and McClellan-Palomar (KCRQ) arrivals must be:

a. Routed over MXL
b. At or below FL280.

7. Transfer of control must occur at the ZLA ARTCC/MZT ACC boundary.

b. Coordination:
    i. Coordination points:
        1. VOR/VORTAC – TIJ and MXL.
        2. Intersection – ASUTA.
c. Communications:
    i. Communication transfer for traffic entering MZT ACC airspace must be prior to the ZLA ARTCC/MZT ACC boundary. Communication transfer for traffic entering ZLA ARTCC airspace must be at AXASA or at least 30NM prior to crossing the common ZLA ARTCC/MZT ACC boundary.
    ii. ZLA ARTCC must transfer communications of aircraft entering MZT airspace on 128.0.

7. ATTACHMENTS.

a. Attachment 1 – MZT Preferred Routes
b. Attachment 2 – ZLA Preferred Routes
c. Attachment 3 – Tijuana Approach Map

Approved and signed by:

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ATTACHMENT 1 - MZT Preferred Routes:

RNAV Routes		
	Arrival	**Routing**
MXL UJ7, TCATE…, or J93	MMMX	PPE UT10 ZCL UJ5 MEX
	MMMY	PPE UT11 OMISI UJ2 NOTAL UJ45 MTY
	MMUN	PPE UT11 URTEL..LEVAT UM782 CUN
	MMHO	PPE UJ7 HMO
TIJ	MMSD	J1 LTO V4 SJD
	MMSL	J1 LTO V4 SJD V12 CSL
	MMLP	J1 LAP
	MMLT	J1 LTO

Conventional Routes		
	Arrival	**Routing**
MXL UJ7, TCATE…, or J93	MMMX	MXL UJ7 MZT UJ33 QET UJ5 SLM MEX
	MMMY	TCATE PPE UT11 OMISI UJ2 NOTAL UJ45 MTY
	MMUN	MXL UJ7 CUL UJ6 CDR UJ46 TAM DCT PAZ DCT VER UJ18 MID UJ16 CUN
	MMHO	TCATE PPE UJ7 HMO
TIJ	MMSD	TIJ J1 LTO DCT ENEKO UJ14 SJD
	MMSL	TIJ J1 LTO DCT ENEKO UJ14 SJD V12 CSL
	MMLP	TIJ J1 LAP
	MMLT	TIJ J1 LTO

ATTACHMENT 2 - ZLA Preferred Routes

Arrival	**Time**	**Routing**	**Altitude**
KLAX	0630 to 0000 KLAX local time	ASUTA AMMOR.OLAAA STAR J93 JLI.VISTA STAR (non-RNAV)	
KLAX	0000 to 0630 KLAX local time	ASUTA AMMOR.MDNYT STAR J93 JLI.OCEAN STAR (non-RNAV)	
KLGB KSNA	All times	ASUTA JLI V458 PACIF SLI	
KBUR KONT KSMO KVNY	All times	ASUTA J93 PDZ	
KCRQ KPSP KTRM KUDD	All times	MXL	at or below FL280
Overflights (non-ZLA airports)	All times	TIJ ASUTA J93	

ATTACHMENT 3 - Tijuana Approach Map