

MEMPHIS ARTC CENTER AND FORT WORTH ARTC CENTER

LETTER OF AGREEMENT

:

SUBJECT: INTERFACILITY COORDINATION

- 1. PURPOSE.** This agreement establishes coordinated procedures and defines delegation of airspace between the Virtual Fort Worth ARTCC (ZFW) and the Virtual Memphis ARTCC (ZME). This agreement is supplemental to procedures contained within FAA Order 7110.65.
- 2. DISCLAIMER.** Information contained herein is designed and specifically for use in a virtual air traffic control environment. It is not applicable, nor should it be referenced for live operations in the National Airspace System (NAS).
- 3. CANCELLATION.** This agreement cancels all prior Letters of Agreement between the Virtual Fort Worth ARTCC (ZFW) and the Virtual ZME ARTCC (ZME).
- 4. EFFECTIVE.** This agreement is effective 08/08/2021.
- 5. ABBREVIATIONS.**

AIT	Automated Information Transfer
ARAC	Army Radar Approach Control
ARTC	Air Route Traffic Control
ATC	Air Traffic Control
ERAM	En Route Automation Modernization
FL	Flight Level
H	High Altitude Sector
L	Low Altitude Sector
LOA	Letter of Agreement
MIT	Miles-in-trail
NM	Nautical Mile
SID	Standard Instrument Departure
STAR	Standard Terminal Arrival Route
T	Terminal Area
TRACON	Terminal Radar Approach Control
U	Ultra-High Sector
VFR	Visual Flight Rules
ZFW	Fort Worth ARTC Center
ZME	Memphis ARTC Center

MEMPHIS ARTC CENTER AND FORT WORTH ARTC CENTER LETTER OF AGREEMENT
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6. DEFINITIONS.

- a. Dallas/Fort Worth Terminal Airports (DFWT): DFW, DAL, 50F, ADS, AFW, CPT, DTO, F41, F46, FTW, FWS, GKY, GPM, HQZ, JWY, LNC, LUD, NFW, RBD, TKI, WEA.
- b. Longview Terminal Airports (GGGT): GGG, TYR.
- c. Monroe Terminal Airports (MLUT): MLU, RSN, BQP, M79.
- d. Oklahoma City Terminal Airports (OKCT): OKC, TIK, PWA, OUN
- e. Shreveport Terminal Airports (SHVT): ASL, BAD, DTN, MNE, SHV.
- f. Little Rock Terminal Airports (LITT): LIT, LRF.
- g. Jackson Terminal Airports (JANT): JAN, HKS.
- h. Fort Smith Terminal Airports (FSMT): FSM.
- i. Fayetteville/Northwest Arkansas Terminal Airports (XNAT): XNA, ROG, FYV, ASG.
- j. Boundary: ZFW/ZME common boundary unless otherwise noted
- k. BYP: Bonham VOR
- l. CQY: Cedar Creek VOR

6. PROCEDURES.

- a. When feasible, planned flow changes will be coordinated at least 15 minutes prior between the TMUs from ZFW/ZME.
- b. ZFW will advise ZME of current flow at D10.
- c. All ZFW & ZME Center High Sectors start at FL240.

7. CONTROL.

- a. Each facility has control for altitude and speed changes on contact.
- b. Communications exchange should occur no later than 10 miles from the boundary.
- c. ZFW will have control for turns direct SWB for IAH arrivals entering ZFW-Hi sectors.

8. ZME WILL ENSURE - ROUTING.

- a. Aircraft landing within DFWT entering BYP area must be cleared via the appropriate flow-based STAR listed in Attachment C.
- b. Aircraft landing within DFWT entering CQY area must be cleared via the appropriate flow-based STAR listed in Attachment C.
- c. Aircraft landing within OKCT must be cleared via the appropriate STAR listed in Attachment C.
- d. Aircraft unable to accept an arrival must be cleared via BYP if north of J52, or CQY if south of J52.

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- e. Same route aircraft must have at least 15 MIT regardless of altitude, unless otherwise coordinated.

9. ZFW WILL ENSURE - ROUTING.

- a. Aircraft landing MEM must be cleared via the appropriate STAR.
- b. Aircraft landing XNAT, JANT, LITT, FSMT may be cleared direct destination if no other conflict exists.
- c. Same route aircraft must have at least 15 MIT regardless of altitude.

10. ALTITUDE.

- a. All data block altitudes will reflect the aircrafts assigned "hard" altitude.
- b. Temporary altitudes may be used, but should be cleared prior to handoff unless otherwise coordinated.
- c. Both facilities shall ensure aircraft comply with altitude assignments noted in Attachment C

11. GENERAL.

- a. Deviations from procedures in this agreement may be affected after coordination is accomplished and responsibilities defined.

12. ATTACHMENTS

- a. ATTACHMENT A: Delegation of ZFW Airspace
- b. ATTACHMENT B: Delegation of ZME Airspace
- c. ATTACHMENT C: Routing/Altitude Restriction Tables

Tyler Beals

Air Traffic Manager

Richard Sill

Air Traffic Manager

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vFort Worth ARTCC

vMemphis ARTCC

Paul Semeran

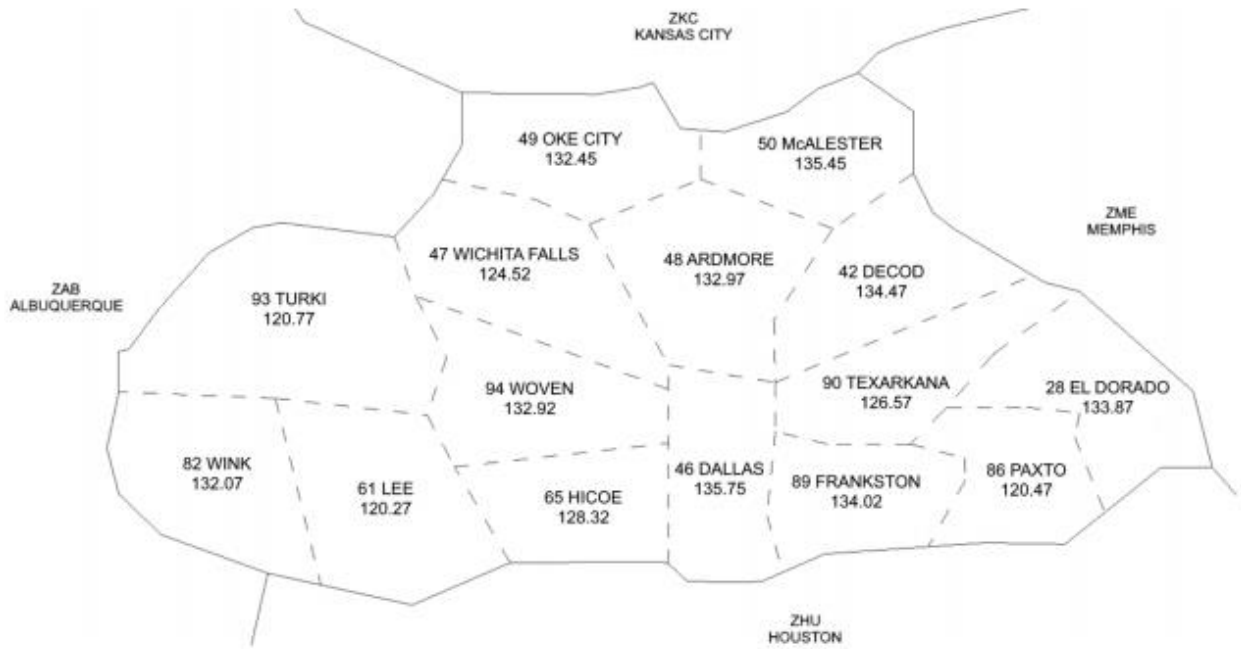
South Central Regional Manager

VATUSA

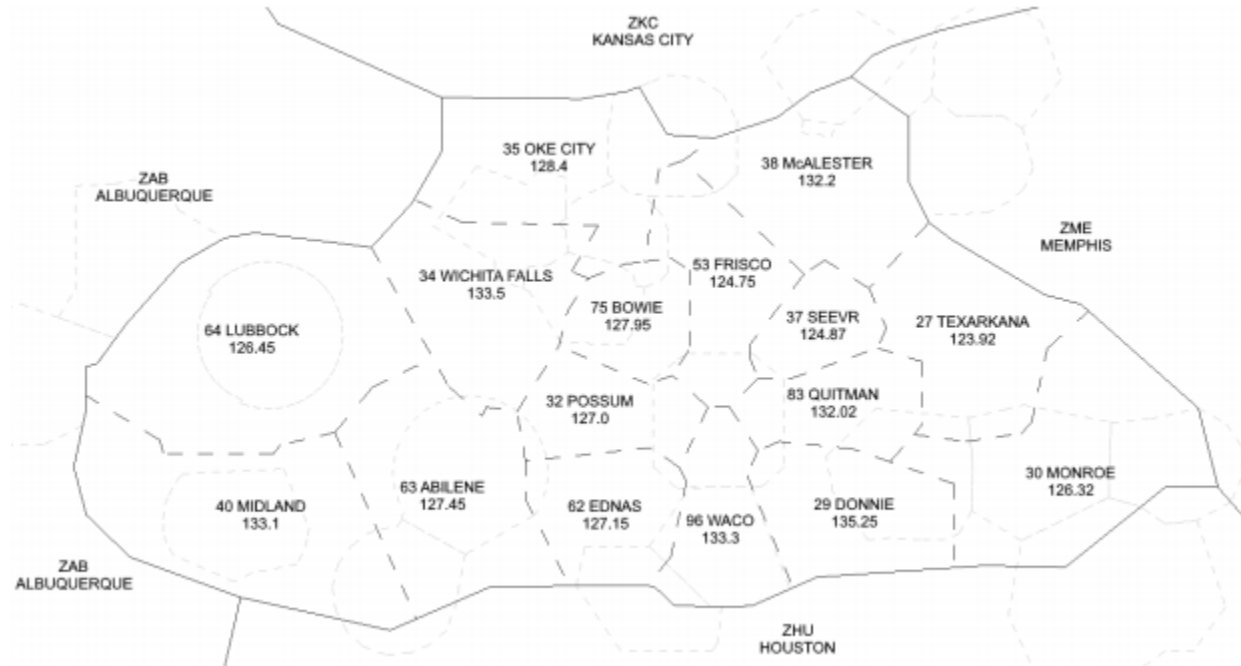
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ATTACHMENT A
Delegation of ZFW Airspace

ZFW High



ZFW Low



MEMPHIS ARTC CENTER AND FORT WORTH ARTC CENTER

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:

ATTACHMENT B

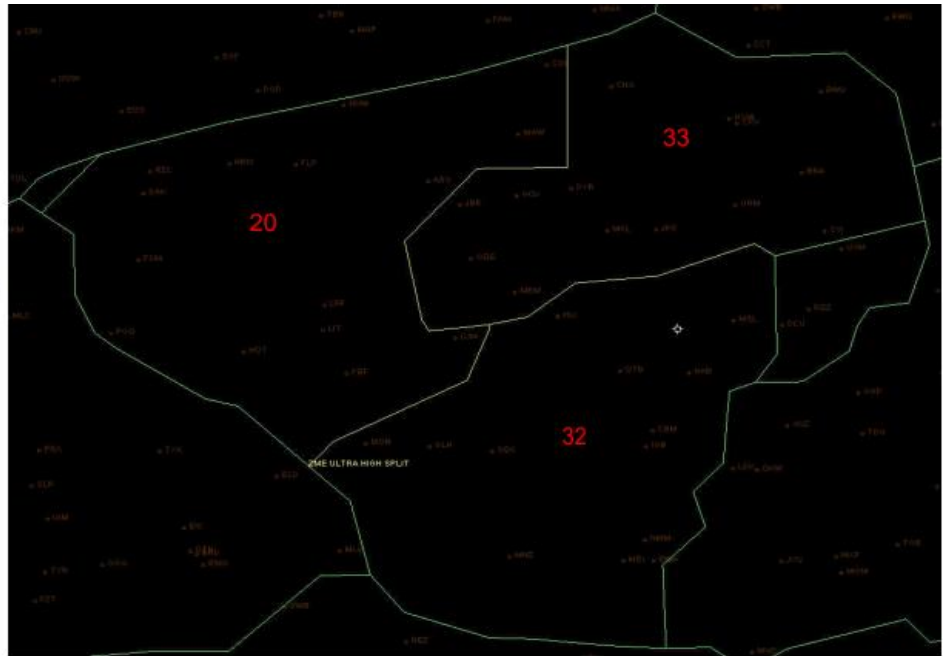
Delegation of ZME Airspace

MEM Ultra-High Splits

Controls FL350 and above

- 33 – Northeast, Elvis
- 20 – Northwest, Little Rock
- 32 – South, Tupelo

33 is the combined Ultra-High sector

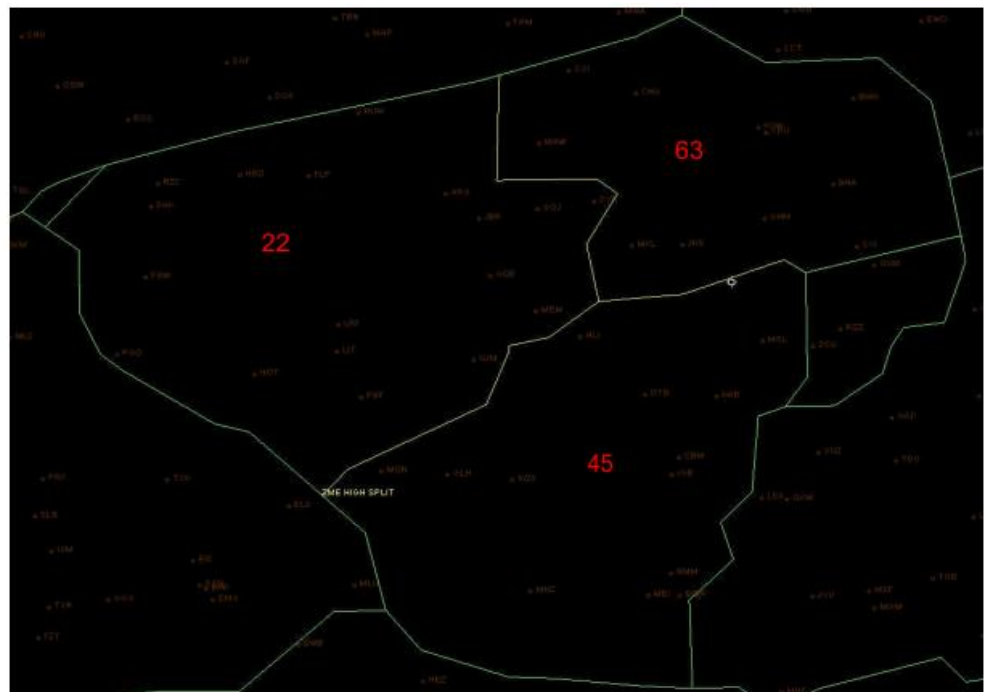


MEM High Splits

Controls FL240 to FL340

- 63 – Northeast, Campbell
- 22 – Northwest, Razorback
- 45 – South, Vicksburg

22 is the combined High sector



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ATTACHMENT B, cont.
Delegation of ZME Airspace

MEM Low Splits

Controls up to
FL230

- 05–Northeast, Paducah
- 13–Southeast, Hamilton
- 04–Northwest, Jonesboro
- 15 –Southwest, Helena

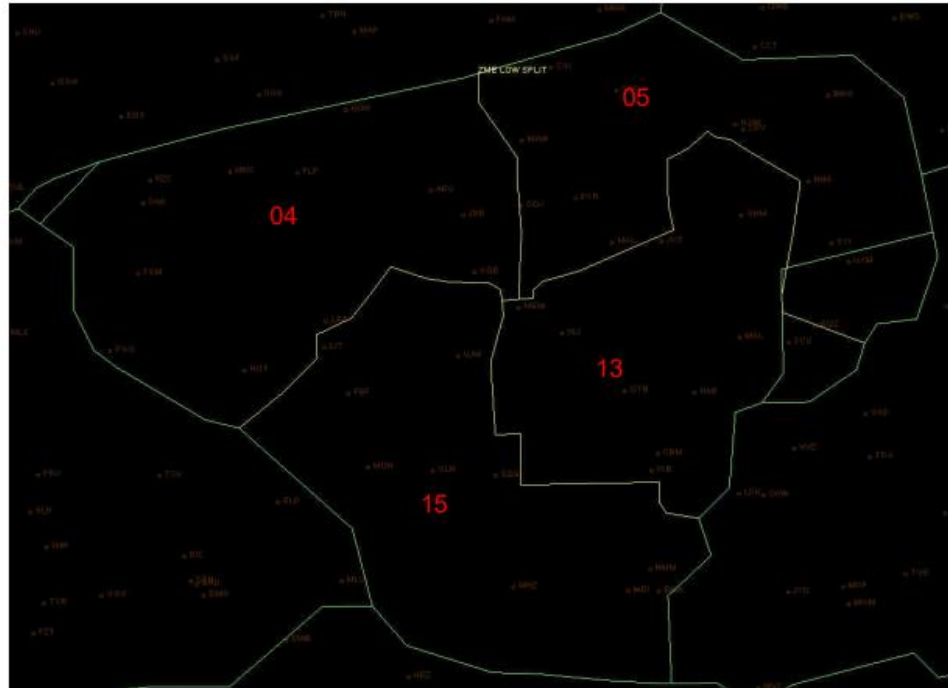
05 is the combined Low sector

East/West Split

- 05 is the combined East split
- 15 is the combined West split

North South Split

- 05 is the combined North split
- 15 is the combined South split



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ATTACHMENT C

Routing/Altitude Restriction Tables

ZME WILL ENSURE				
TO	TYPE	AREA	ROUTING (FLOW)	
DFW	RNAV J	BYP	SEEV# (S) / BRDJE# (N)	
	ALL OTHERS		WILBR#	
DAL	RNAV J		HIBIL# (S) / CRIKT# (N)	
	ALL OTHERS		FINGR#	
DFWT-E	RNAV		SLANT#	
	CONV		FINGR#	
DFWT-W	RNAV		TRUUK#	
	CONV		SASIE#	
DFW	RNAV J		CQY	BEREE# (S) / WHINY# (N)
	CONV J			CQY#
	PROP	YEAGR# (S) / CQY# (N)		
DAL	RNAV J	REDDN# (S) / MNND0# (N)		
	ALL OTHERS	YEAGR#		
DFWT-E	RNAV	LOADS# (S) / EESAT# (N)		
	CONV	YEAGR#		
DFWT-W	RNAV	REEKO#		
	CONV	DODJE#		
OKC	RNAV	BYP		RIFFL#
OKCT	RNAV	BYP	FAKEY#	
MLUT	TURBO	CQY	X 31E @ AOB130	
	PROP		X 31E @ 070	
SHVT	ALL OTHERS	CQY	AC ENTERING ELD-H MUST BE AOB300	
TXK	ALL OTHERS	DAL	AC ENTERING TXK-L MUST BE AOB230	

ABBREVIATIONS	
DFWT-E	ADS, CPT, F46, F41, HQZ, JWY, LNC, RBD, TKI
DFWT-W	50F, AFW, DTO, FTW, FWS, GKY, GPM, LUD, NFW, WEA
MLUT	MLU, RSN, BQP, M79
SHVT	ASL, BAD, DTN, MNE, SHV
LITT	LIT, LRF
JANT	JAN, HKS
XNAT	XNA, ROG, RYV, ASG

ZFW WILL ENSURE			
TO	TYPE	AREA	ROUTING (ALT)
MEM	RNAV J	UJM	HOBKR# (AOB370)
	ALL OTHERS		UJM# (AOB370)
MEM	RNAV J	RZC	BRBBQ# (AOB370)
	ALL OTHERS		DAWGG# (AOB370)
LITT	ALL OTHERS	LIT	PD190, X BNDRY AOB240
JANT	ALL OTHERS	JAN	AOB 330
XNAT	ALL OTHERS	RZC	AOB 240
FSMT	ALL OTHERS	FSM	AOB 160