

HOUSTON ARTC CENTER AND MEMPHIS ARTC CENTER

LETTER OF AGREEMENT

SUBJECT: INTERFACILITY COORDINATION

1. **PURPOSE.** This agreement establishes coordinated procedures and defines delegation of airspace between the Virtual Memphis ARTCC (ZME) and the Virtual Houston ARTCC (ZHU). 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 Memphis ARTCC (ZME) and the Virtual Houston ARTCC (ZHU).
4. **EFFECTIVE.** This agreement is effective 07/15/2020
5. **GENERAL.**
 - a. Deviations from procedures established by this agreement may be made only after verbal coordination, which completely defines responsibility in each case.
6. **COORDINATION PROCEDURES.**
 - a. ZHU must:
 - a. Deliver aircraft at or above FL240 destined the Birmingham-Shuttlesworth International Airport (BHM) via ..MEI..LYMPH..KBHM.
 - b. Deliver aircraft landing Vicksburg (VKS), Vicksburg Tallulah Regional (TVR), or in Jackson Terminal Area, to the Center boundary at or below FL230 and assigned 11,000 feet (EXCEPTION: prop/turboprop landing Jackson Terminal Area assigned 7,000 feet). ZME has control for turns and descent within 15NM of the Center boundary.
 - c. Deliver aircraft landing in the Meridian Terminal Area to the Center boundary at or below FL230. ZME has control for turns and descent within 15NM of the Center boundary.
 - b. ZME must:
 - a. Deliver aircraft landing Mobile Terminal Area to the Center boundary at or below FL230 and assigned 11,000 feet (descent below FL230 may be pilot's discretion).

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- b. Deliver aircraft landing at Alexandria International Airport (AEX) or Esler Regional Airport (ESF) to the Center boundary at or below FL230 and assigned 13,000 (descent below FL230 may be pilot's discretion).
 - c. Deliver aircraft, landing in the Lafayette Terminal Area, in level flight at or below FL340.
 - d. Clear aircraft at or above FL240 landing the New Orleans Lakefront (NEW) and Louis Armstrong New Orleans International (MSY) via the RYTHM STAR.
 - e. Deliver aircraft landing in New Orleans Terminal Area operating at or above FL300 to the Center boundary at or below FL290. ZHU has control for descent, turns within 30 degrees, and speed (at and above FL240) within 15NM of the Center boundary.
 - f. Deliver aircraft landing in Baton Rouge Terminal Area to the Center boundary at or below FL290. ZHU has control for descent and speed (at or above FL240) within 15NM of the Center boundary.
 - g. Deliver aircraft landing in Gulfport Terminal Area to the Center boundary at or below FL290. ZHU has control for descent and speed (at or above FL240) within 15 NM of the Center boundary.
 - h. Deliver aircraft landing in Baton Rouge Terminal Area operating above FL240, cross the Center boundary at or below FL280, descending to FL240.
 - i. Ensure aircraft landing in the Pensacola Terminal Area cross Center boundary at or below FL270. Memphis Center must clear these aircraft via the following routes or routes that overlie these fixes:
 - i. Landing PNS or NPA:..LOXLY..PENSI..(Direct destination), or routes that overlie these fixes.
 - ii. Landing DTS, HRT or VPS:..MUURY/LOXLY..CEW..(Direct destination), or routes that overlie these fixes.
 - j. Clear aircraft at or above FL240 destined the Houston Terminal Area per one of the Preferred Routes listed in ANNEX 2. Aircraft over or west of Sidon (SQS) may be cleared direct SWB VOR/DME to join the appropriate STAR.
- c. Transponder codes may be changed without coordination upon initial contact

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7. ATTACHMENTS.

- a. ANNEX 1: Terminal Area Airports
- b. ANNEX 2: Houston Terminal Area Preferred Routes
- c. ANNEX 3. Houston Center Splits
- d. ANNEX 4. Delegation of Airspace
- e. ANNEX 5. Memphis Center Splits

____X_____

Richard Sill
Air Traffic Manager
vMemphis ARTCC

____X_____

Marcus Miller
Air Traffic Manager
vHouston ARTCC

____X_____

Wes Miles
Southern Region Director
VATUSA

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ANNEX 1

Terminal Area Airports

SUBJECT: TERMINAL AREA AIRPORTS

BATON ROUGE

BTR Baton Rouge Metropolitan/
Ryan Field
HZR False River Regional
REG Louisiana Regional

GULFPORT

BIX Keesler AFB
GPT Gulfport-Biloxi International
HSA Stennis International
MJD Picayune Municipal

HOUSTON

AXH Houston Southwest
CXO Conroe-North Houston Regional
DWH David Wayne Hooks Memorial
EFD Ellington
GLS Scholes International at Galveston
HOU William P. Hobby
HPY Baytown
IAH George Bush
Intercontinental/Houston
IWS West Houston
LBX Texas Gulf Coast Regional
LVJ Pearland Regional
SGR Sugar Land Regional
TME Houston Executive
T00 Chambers County
T41 La Porte Municipal
T78 Liberty Municipal
54T RWJ Airpark
6R3 Cleveland Municipal

JACKSON

HKS Hawkins Field
JAN Jackson-Medgar Wiley Evers
International
MBO Bruce Campbell Field
JVW John Bell Williams

LAFAYETTE

ARA Acadiana Regional
IYA Abbeville Chris Crusta Memorial
LFT Lafayette Regional/Paul Fornet
Field
OPL St Landry Parish-Ahart Field
3R2 Le Gros Memorial
4R7 Eunice

MERIDIAN

MEI Key Field
MPE Philadelphia Municipal
NMM Meridian NAS/Mc Cain Field

MOBILE

BFM Mobile Downtown
JKA Jack Edwards
MOB Mobile Regional
PQL Trent Lott International
1R8 Bay Minette Municipal
CQF H. L. Sonny Callahan

NEW ORLEANS

ASD Slidell
HDC Hammond Northshore Regional
HUM Houma-Terrebonne
MSY Louis Armstrong New Orleans
International
NBG New Orleans NAS JRB/Alvin
Callender Field
NEW Lakefront

PENSACOLA

DTS Executive
HRT Hurlburt Field
PNS Pensacola International
NPA Pensacola NAS/Forrest Sherman
Field
VPS Eglin AFB/Destin-Ft Walton Beach

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ANNEX 2
Preferred Routing

SUBJECT: HOUSTON TERMINAL AREA PREFERRED ROUTES

IAH: IAH
 HOU: HOU
 HOU N/S: CXO, DWH, T78, 6R3
 HOU S/S: 54T, AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, T00, T41, TME.

TO	OVER	FLOW	TYPE	ROUTE
IAH	AEX	EAST	JETS & T-PROPS	AEX.SKNRD-STAR
IAH	AEX	WEST	JETS & T-PROPS	AEX.DOABI-STAR
IAH	AEX	ALL	ALL	AEX.OHIO-STAR ¹
IAH	SWB	EAST	JETS & T-PROPS	SWB.GESNR-STAR
IAH	SWB	WEST	JETS & T-PROPS	SWB.ZEEKK-STAR
IAH	SWB	ALL	ALL	SWB..LYMBO.OHIO-STAR ¹
HOU	AEX	ALL	JETS & T-PROPS	AEX.WAPPL-STAR
HOU	SWB	ALL	JETS & T-PROPS	SWB-WAPPL-STAR
HOU	AEX	ALL	JETS	AEX.HUDZY-STAR ¹
HOU	SWB	ALL	JETS	SWB.HUDZY-STAR
HOU	AEX	ALL	T-PROPS & PISTONS	AEX..CESAN.CESAN-STAR
HOU	SWB	ALL	T-PROPS & PISTONS	SWB..CESAN.CESAN-STAR
HOU N/S	AEX	ALL	ALL	AEX.OHIO-STAR
HOU N/S	SWB	ALL	ALL	SWB..LYMBO.OHIO-STAR
HOU S/S	AEX	ALL	JETS	AEX.WAPPL-STAR
HOU S/S	SWB	ALL	JETS	SWB.WAPPL-STAR
HOU S/S	AEX	ALL	T-PROPS & PISTONS	AEX..CESAN.CESAN-STAR
HOU S/S	SWB	ALL	T-PROPS & PISTONS	AEX..CESAN.CESAN-STAR

¹ For conventional navigation aircraft only.

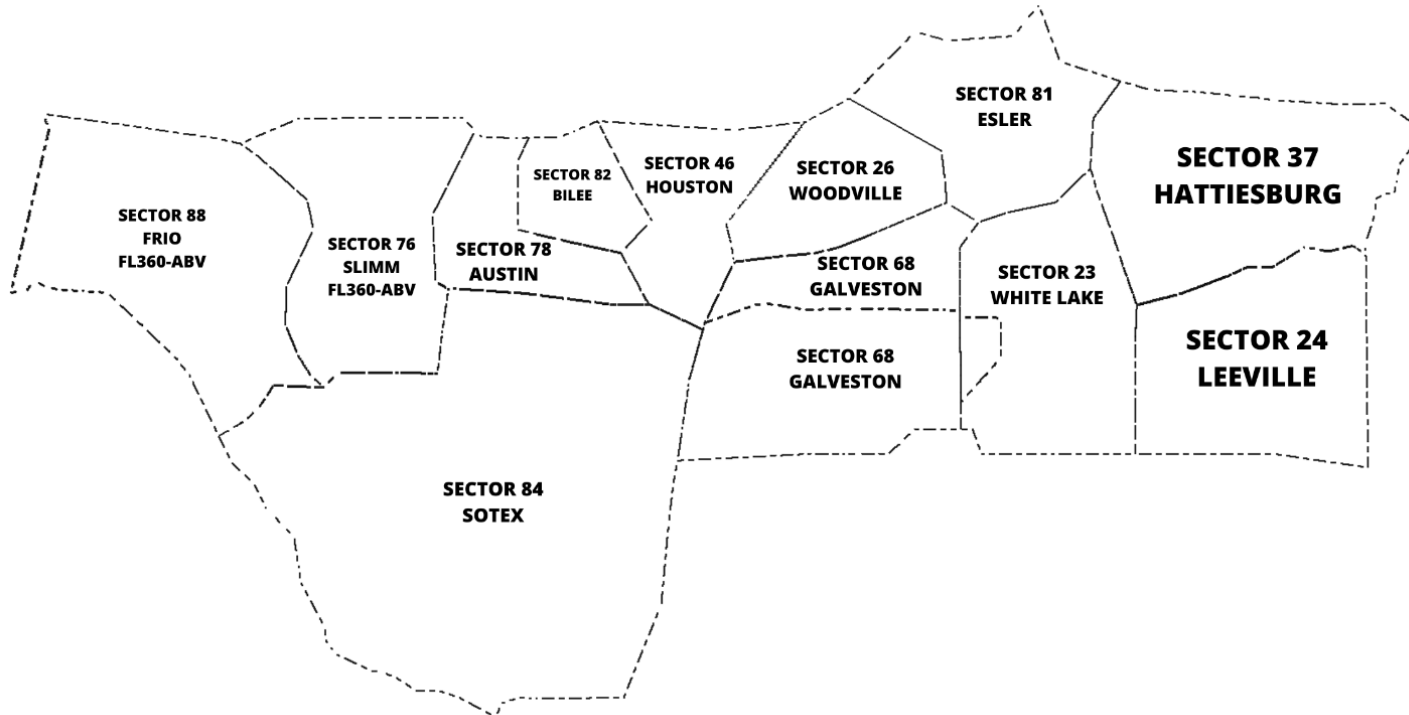
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ANNEX 3

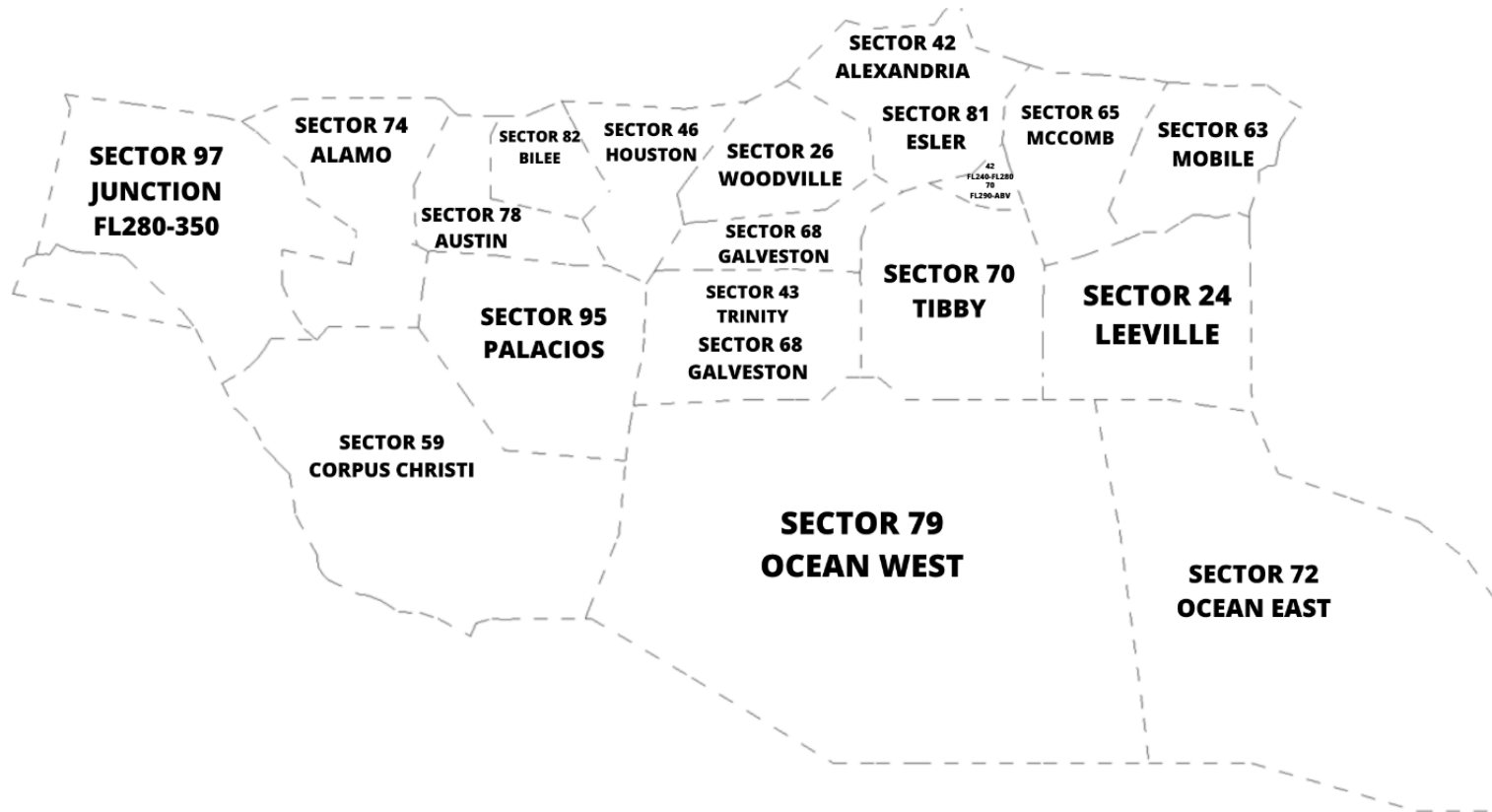
Houston Center Splits

ZHU ULTRA HIGH



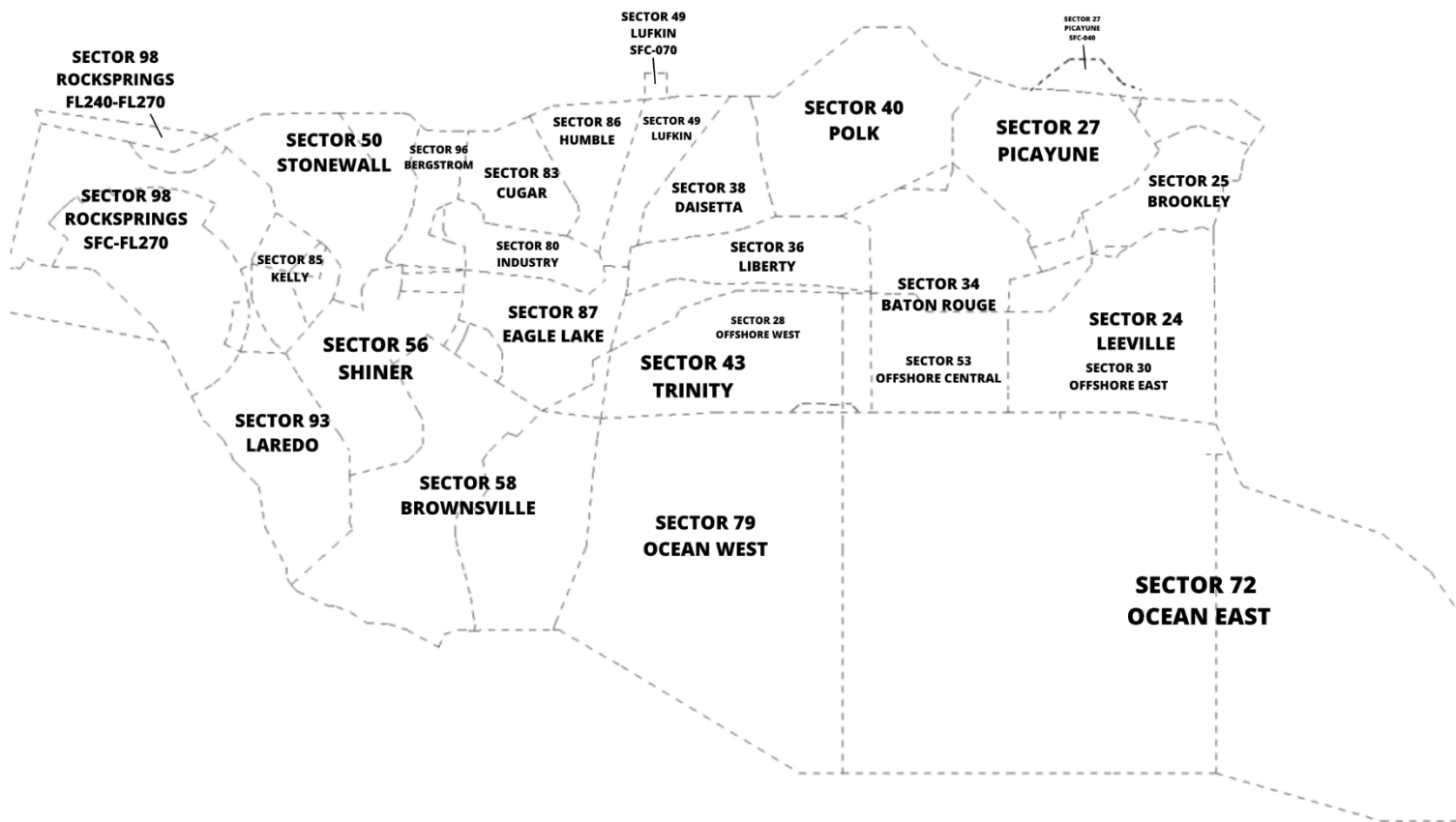
ANNEX 3 Cont.
Houston Center Splits

ZHU HIGH



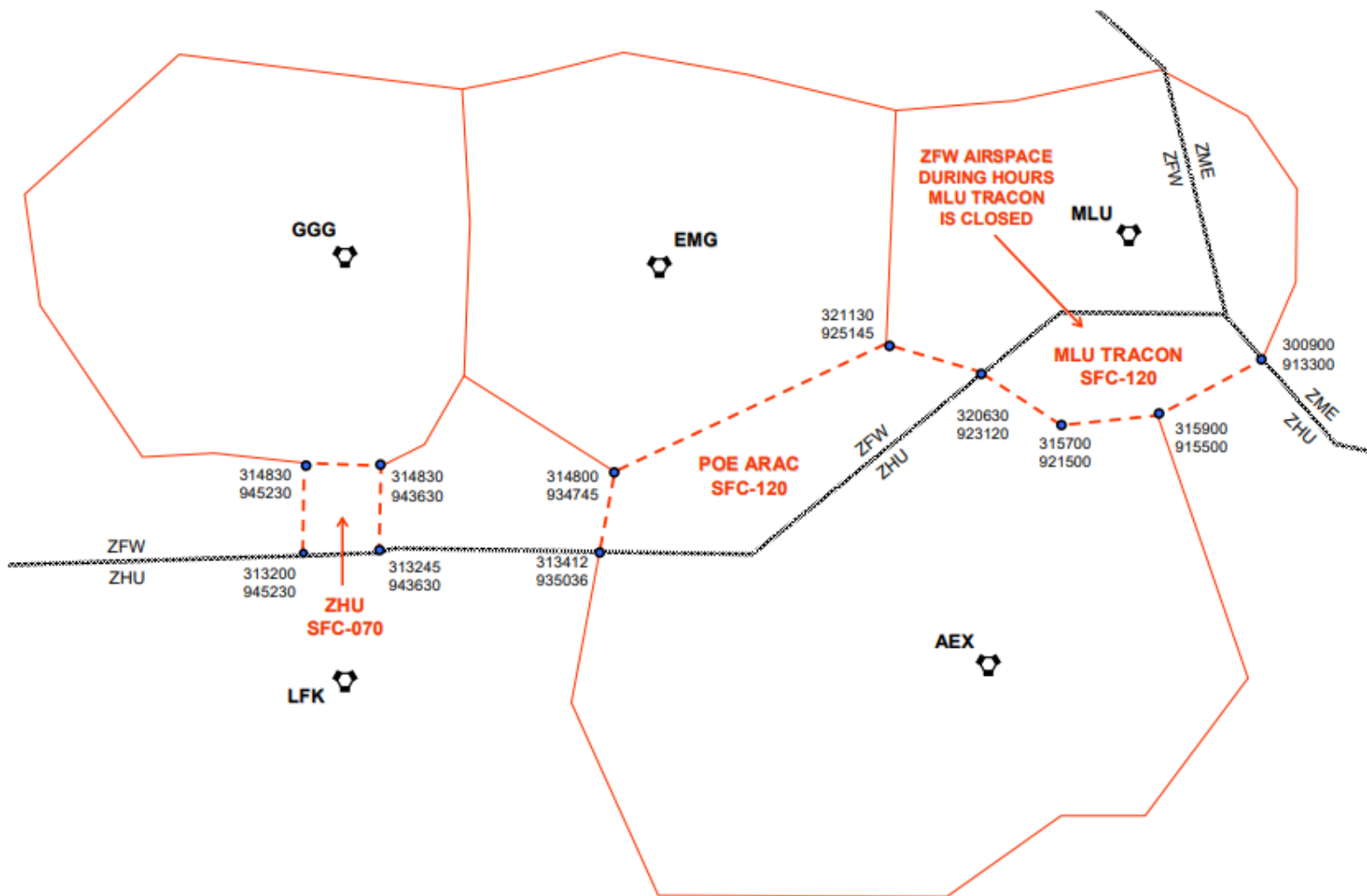
ANNEX 3 Cont.
Houston Center Splits

ZHU LOW



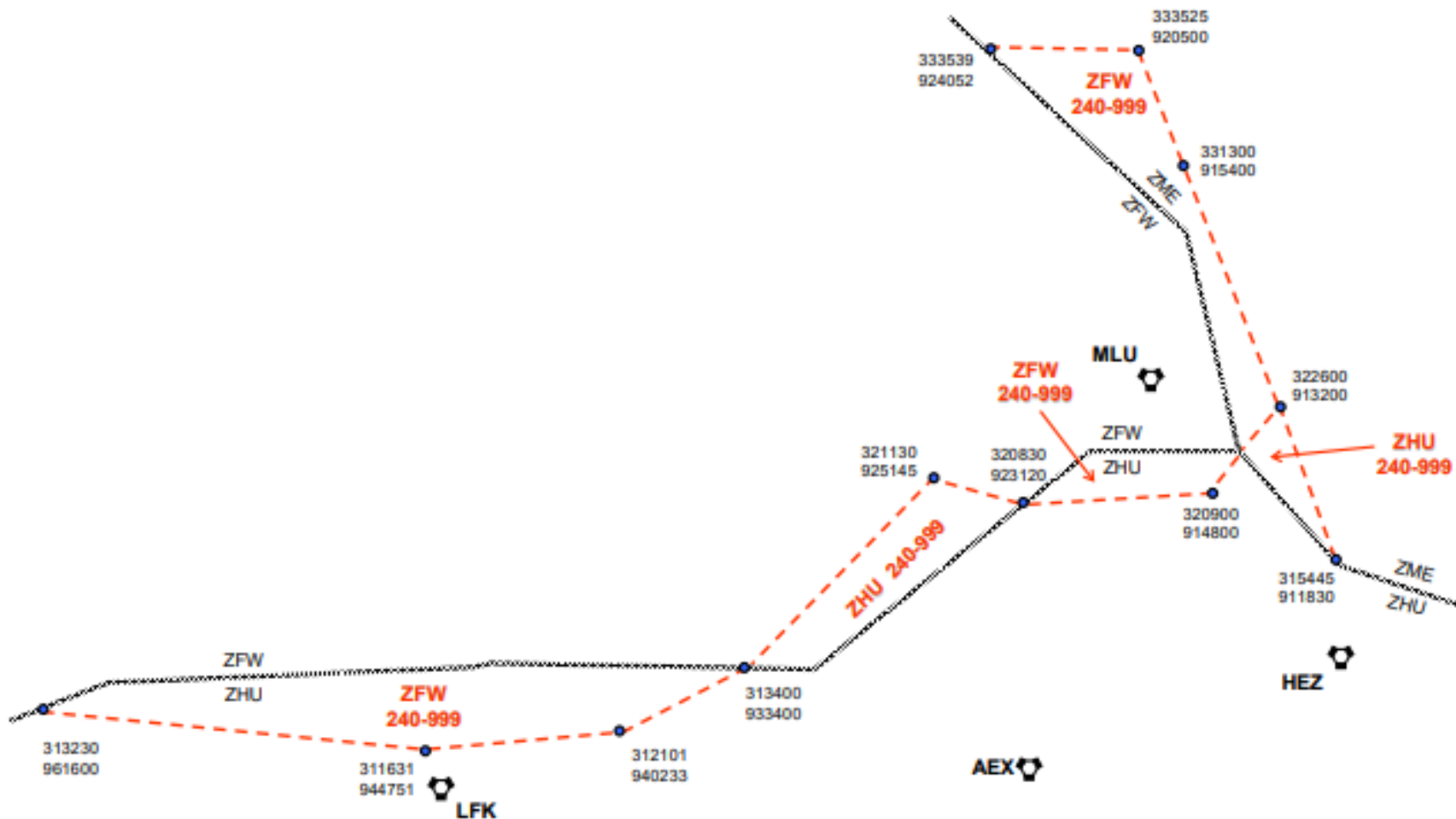
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ANNEX 4
Low Altitude Delegation of Airspace



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ANNEX 4 Cont.
High Altitude Delegation of Airspace



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LETTER OF AGREEMENT ANNEX 5

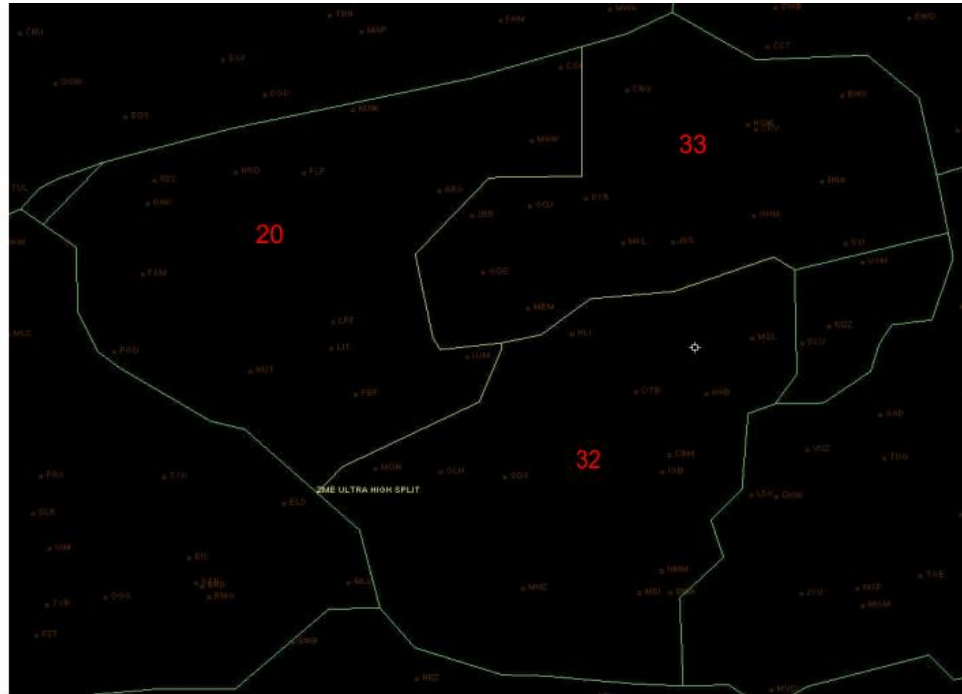
Memphis Center Splits

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

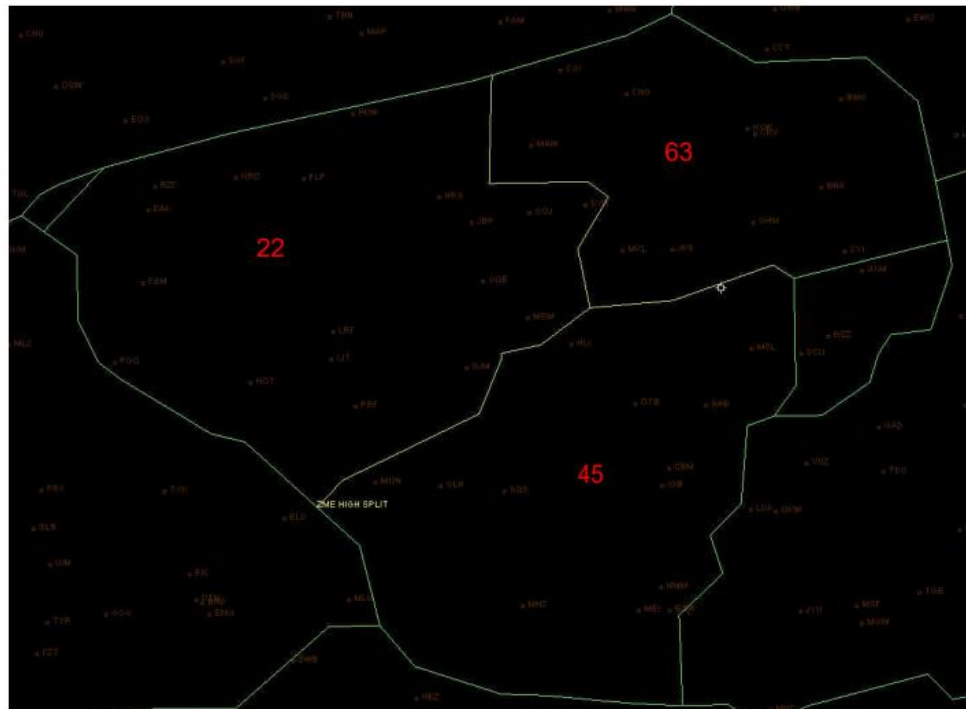


MEM High Splits

Controls FL240 to FL340

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

22 is the combined High sector



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ANNEX 5 Cont.
Memphis Center Splits

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

