

HOUSTON 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 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 Fort Worth ARTCC (ZFW) and the Virtual Houston ARTCC (ZHU).
- 4. EFFECTIVE.** This agreement is effective 11/8/2020.
- 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
ZHU	Houston ARTC Center

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6. DEFINITIONS.

- a. Alexandria Terminal Airports (AEXT): AEX, ESF.
- b. Austin Terminal Airports (AUST): 3R9, AUS, BMQ, DZB, EDC, HYI, GTU, RYW, T74.
- c. College Station Terminal Airports (CLLT): 11R, 60R, CFD, CLL, LHB, RWV.
- d. Dallas/Fort Worth Terminal Airports (DFWT): 50F, ADS, AFW, CPT, DAL, DFW, DTO, F41, F46, FTW, FWS, GKY, GPM, HQZ, JWY, LNC, LUD, NFW, RBD, TKI, WEA.
- e. Houston Terminal Airports (HOUT): 54T, 6R3, AXH, CXO, DWH, EFD, GLS, HOU, HPY, IAH, IWS, LBX, LVJ, SGR, TME, T00, T41, T78.
- f. Longview Terminal Airports (GGGT): GGG, TYR.
- g. Midland Terminal Airports (MAFT): MAF, MDD, ODO.
- h. San Antonio Terminal Airports (SATT): 5C1, BAZ, RND, SAT, SKF, SSF.
- i. Shreveport Terminal Airports (SHVT): ASL, BAD, DTN, MNE, SHV.
- j. Waco Terminal Airports (ACTT): ACT, CNW, LXY, PWG, T15.
- k. Boundary: ZFW/ZHU common boundary unless otherwise noted

6. PROCEDURES.

- a. When feasible, planned flow changes will be coordinated at least 15 minutes prior between the TMUs from ZFW/ZHU.
- b. ZFW/ZHU TMU will advise the other of current flow at D10/I90.
- c. All ZFW & ZHU Center High Sectors start at FL240.
 - a. **Exception:** ZHU JCT-97 starts at FL280.
- d. All ZFW & ZHU Center Ultra High Sectors start at FL350.

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. When GRK ARAC is offline, the approach airspace shall be split between ZFW & ZHU.
- d. ZFW owns GRK airport.

8. ZHU WILL ENSURE - ROUTING.

- a. Aircraft landing within the DFWT area must be cleared via the appropriate flow-based STAR.
- b. HOUT departures will remain on the SID routing entering ZFW.
 - a. Shortcuts must be coordinated.
- c. Same route aircraft must have at least 15 MIT regardless of altitude.

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9. ZFW WILL ENSURE - ROUTING.

- a. Aircraft landing within the HOUT area must be cleared via the appropriate flow-based STAR
- b. BLEWE, MSTLO and SEWZY STARs will be treated as one with sequencing provided between like types.
- c. Same route aircraft must have at least 15 MIT regardless of altitude.

10. ALTITUDE.

- a. ZHU
 - a. Aircraft departing HOUT, landing DFW (North Flow), will cross the boundary at or below FL380.
 - b. Aircraft departing HOUT, landing DAL will cross the boundary at or below FL300
 - c. ZHU overflights landing DFWT will be given a pilot discretion descent clearance to FL380.
 - d. Aircraft departing AUST, landing DFWT, will cross the boundary at or below FL230.
 - e. Aircraft landing ACTT will be descending to 13,000 feet. Aircraft below 13,000 feet will be level at an altitude appropriate for direction.
 - f. Aircraft departing CLLT, landing DFWT, will cross the boundary at or below FL230
 - g. Aircraft landing GGGT will be descending to 13,000 feet. Aircraft below 13,000 feet will be level at an altitude appropriate for direction.
- b. ZFW
 - a. Aircraft departing DFWT, landing IAH (East Flow) will cross the boundary at or below FL290.
 - b. Aircraft departing DFWT, landing IAH (West Flow) will cross the boundary at or below FL370.
 - c. Aircraft departing DFWT, landing HOU West Satellites on the BLUBL STAR will cross the boundary at or below FL280. (Below DRLLR, GUSHR, RIICE, KIDDZ & SNIFFY STARS)
 - d. ZFW overflights landing HOUT except IAH or HOU will cross the boundary at or below FL290.
 - e. Aircraft landing GTU will be assigned 13,000 feet. ZFW will initiate the hand off to Gray ARAC if they are online.
 - f. Aircraft landing AEXT, with routings over Polk ARAC or the FXU VOR, will be assigned 13,000 feet.
 - g. Aircraft landing AUS via the SEWZY RNAV STAR will be issued a "descend via" clearance and the landing direction at AUS. The altitude assigned in the data block for aircraft on a "descend via" clearance will be 13,000 feet.

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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 ZHU Airspace
- c. ATTACHMENT C: High Altitude Release of Control Areas
- d. ATTACHMENT D: Low Altitude Release of Control Areas
- e. ATTACHMENT E: Low Altitude Delegation of Airspace
- f. ATTACHMENT F: High Altitude Delegation of Airspace

Tyler Beals

Air Traffic Manager

vFort Worth ARTCC

Marcus Miller

Air Traffic Manager

vHouston ARTCC

Ryan Pitt

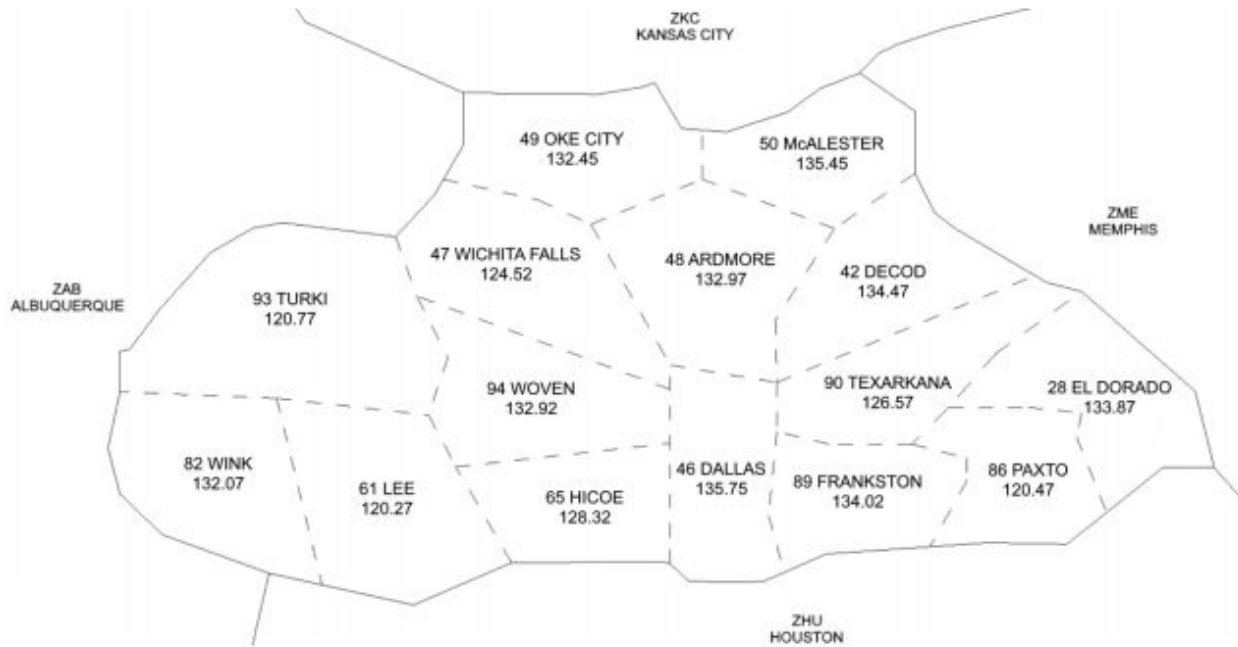
Interim South Central Regional Manager

VATUSA

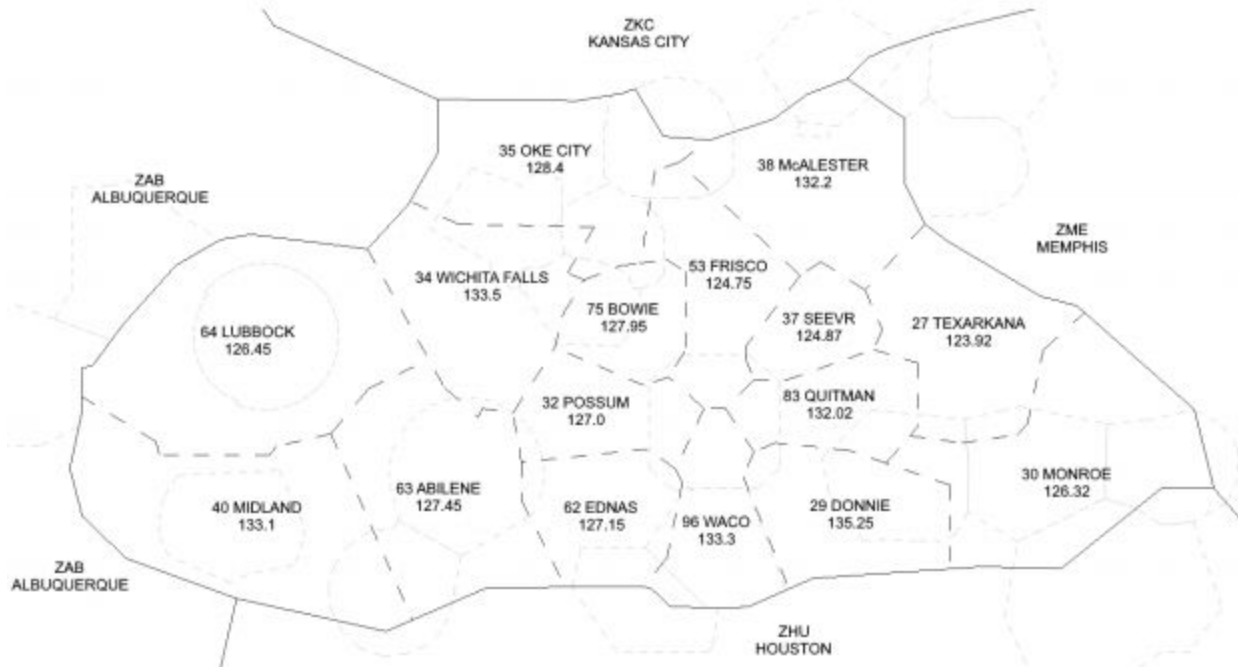
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ATTACHMENT A
Delegation of ZFW Airspace

ZFW High



ZFW Low



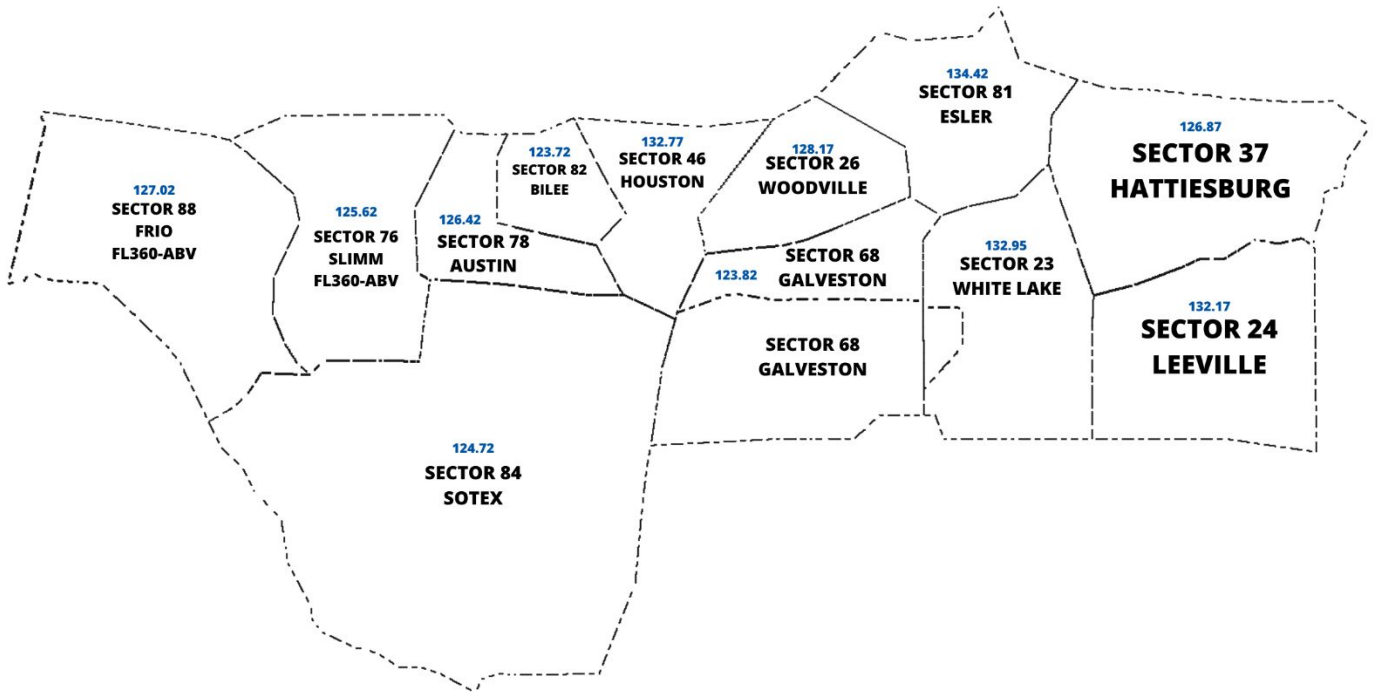
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ATTACHMENT B

Delegation of ZHU Airspace

FL350-ABV (Unless otherwise noted)

ZHU ULTRA HIGH

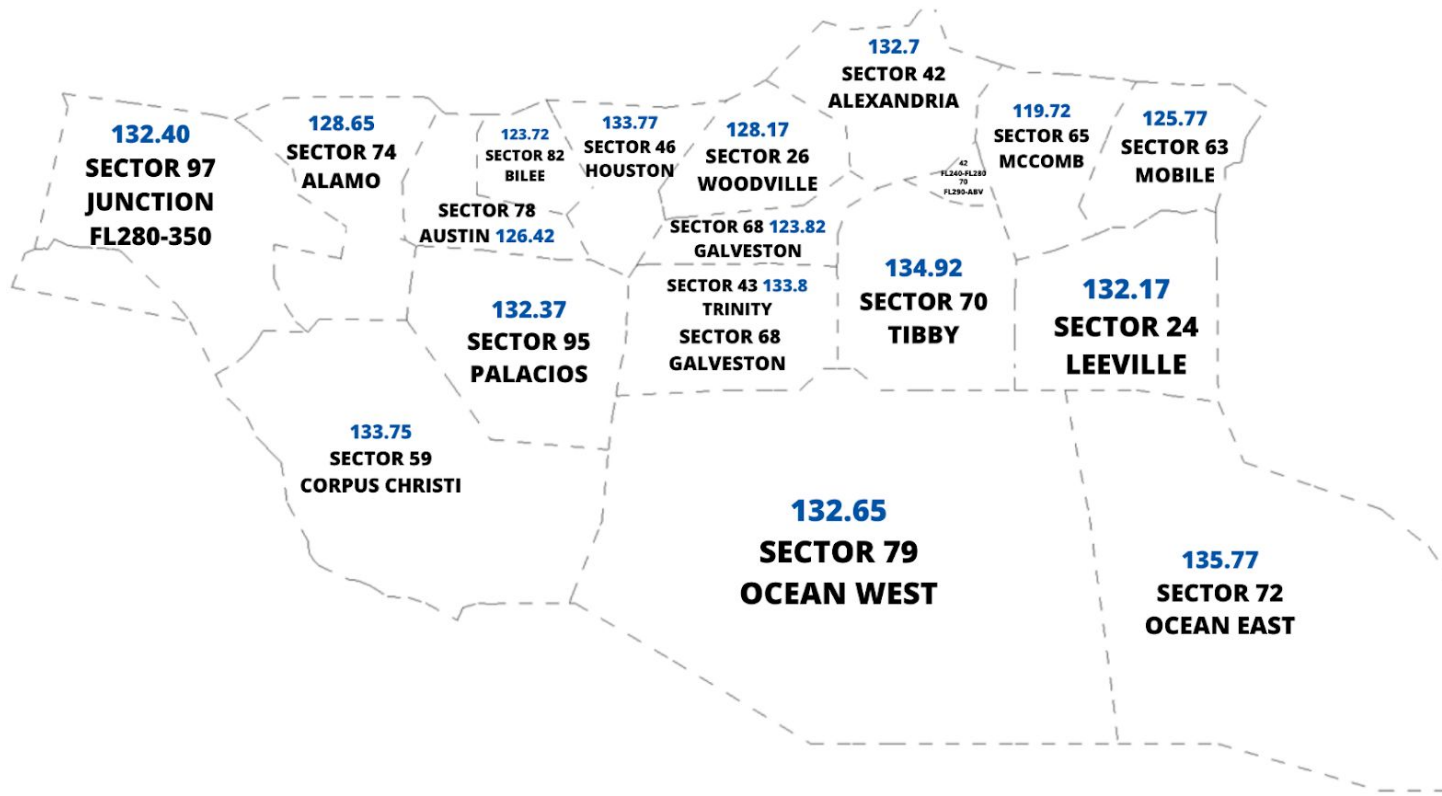


ATTACHMENT B, cont.

Delegation of ZHU Airspace

FL240-FL340 (Unless otherwise noted)

ZHU HIGH

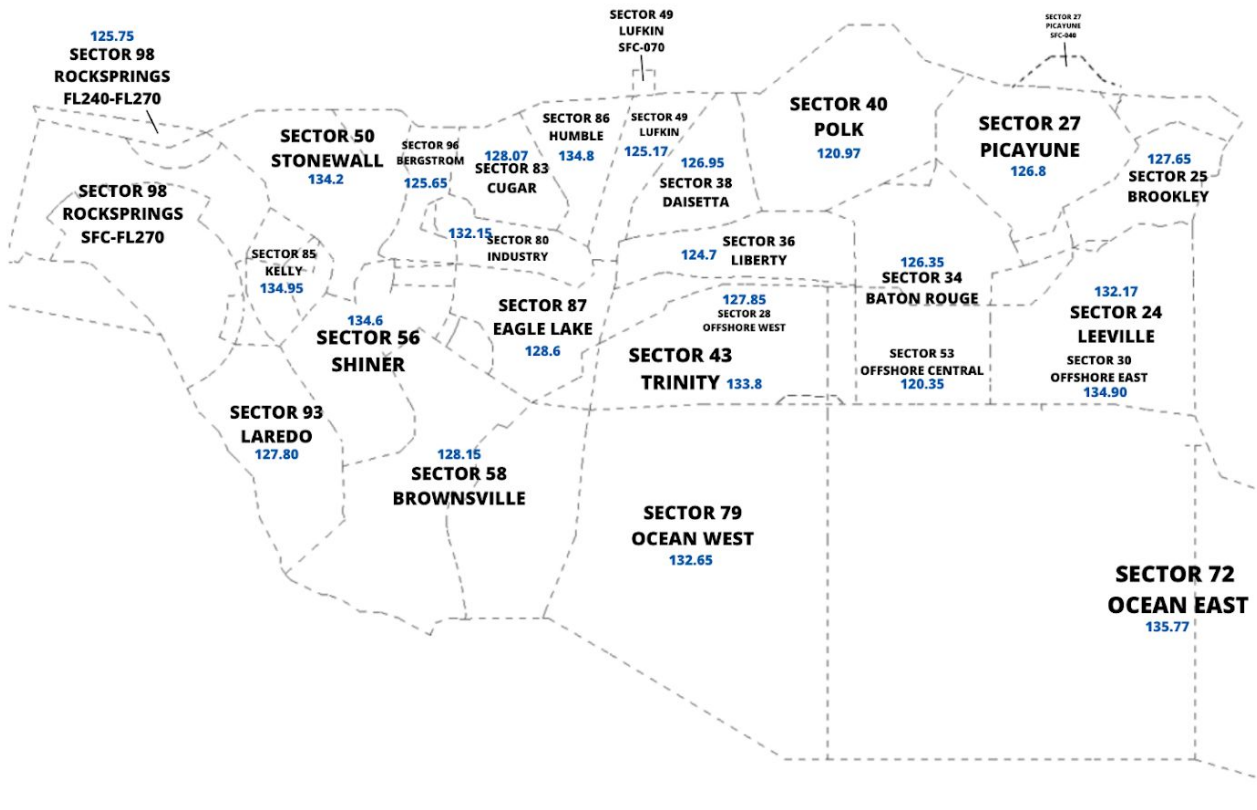


ATTACHMENT B, cont.

Delegation of ZHU Airspace

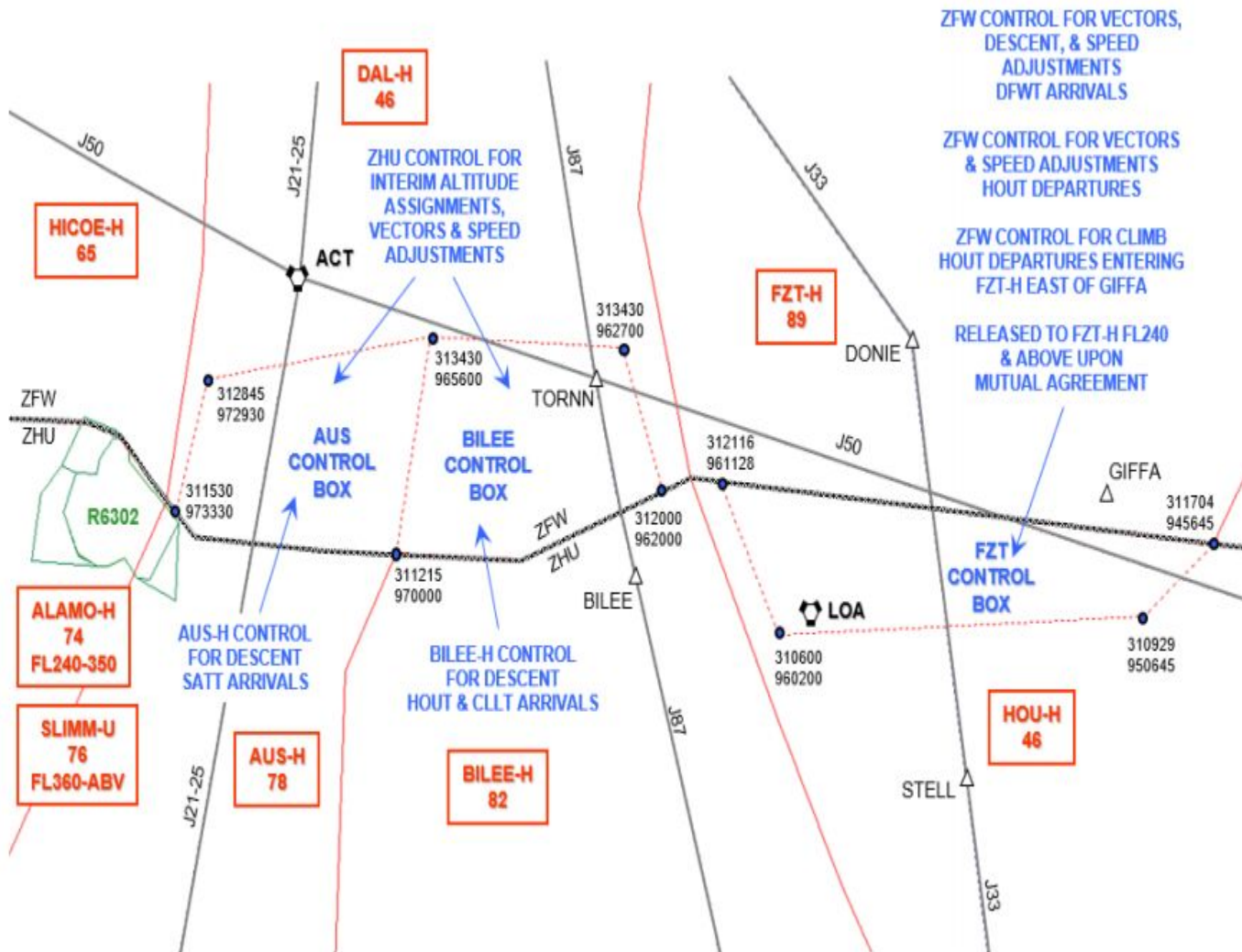
SFC-FL230 (Unless otherwise noted)

ZHU LOW



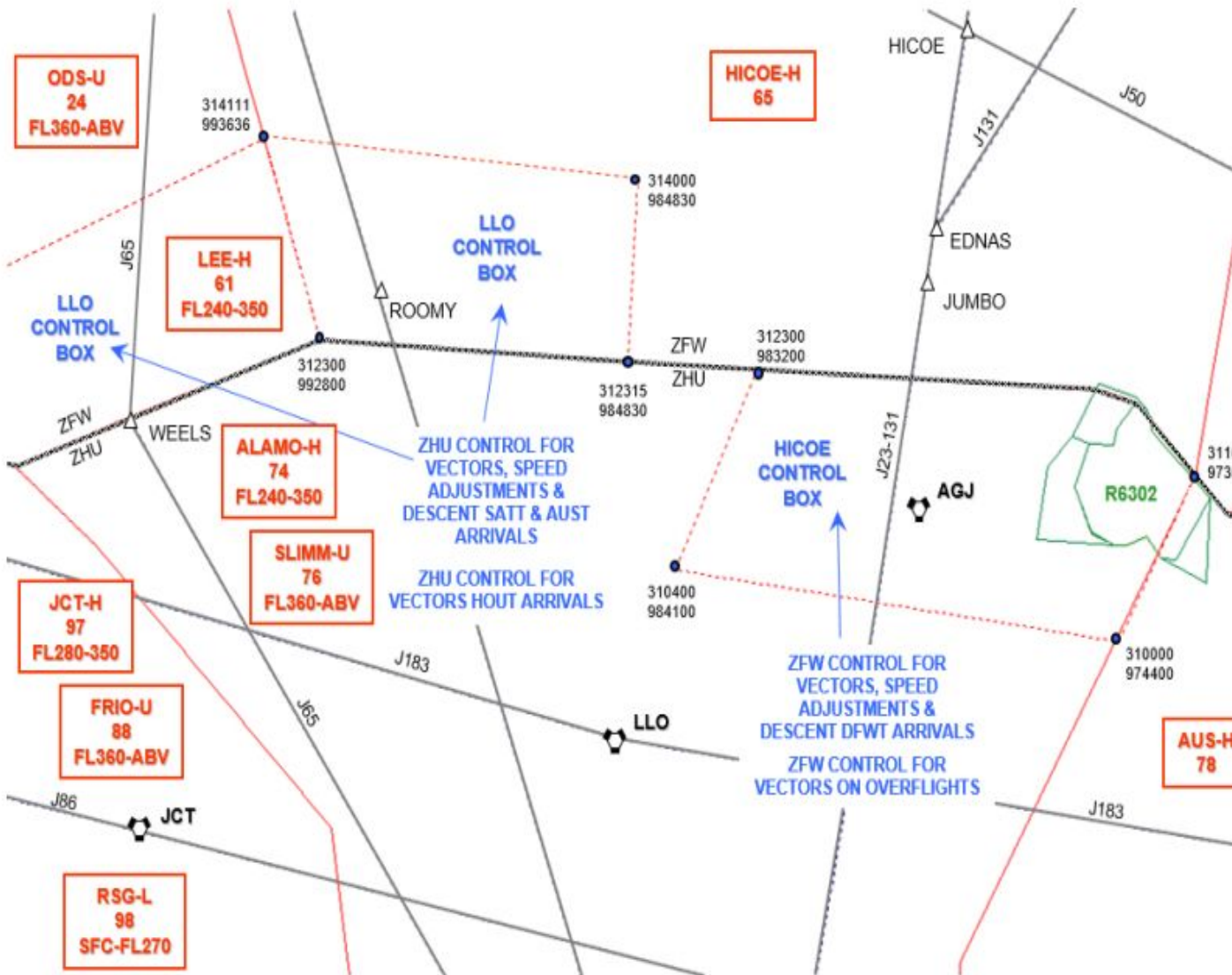
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ATTACHMENT C
HIGH ALTITUDE RELEASE OF CONTROL AREAS



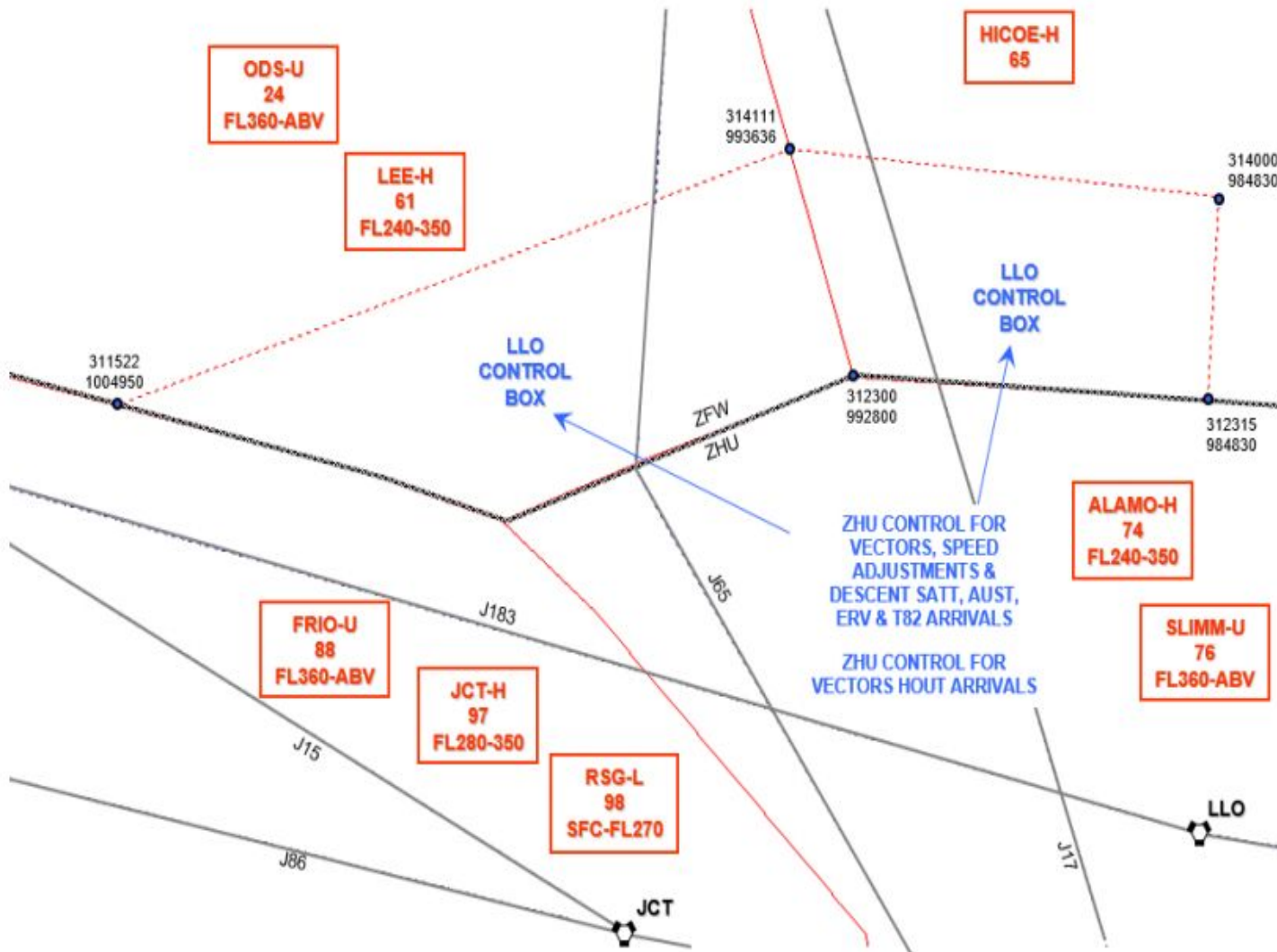
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ATTACHMENT C, CONT.
HIGH ALTITUDE RELEASE OF CONTROL AREAS



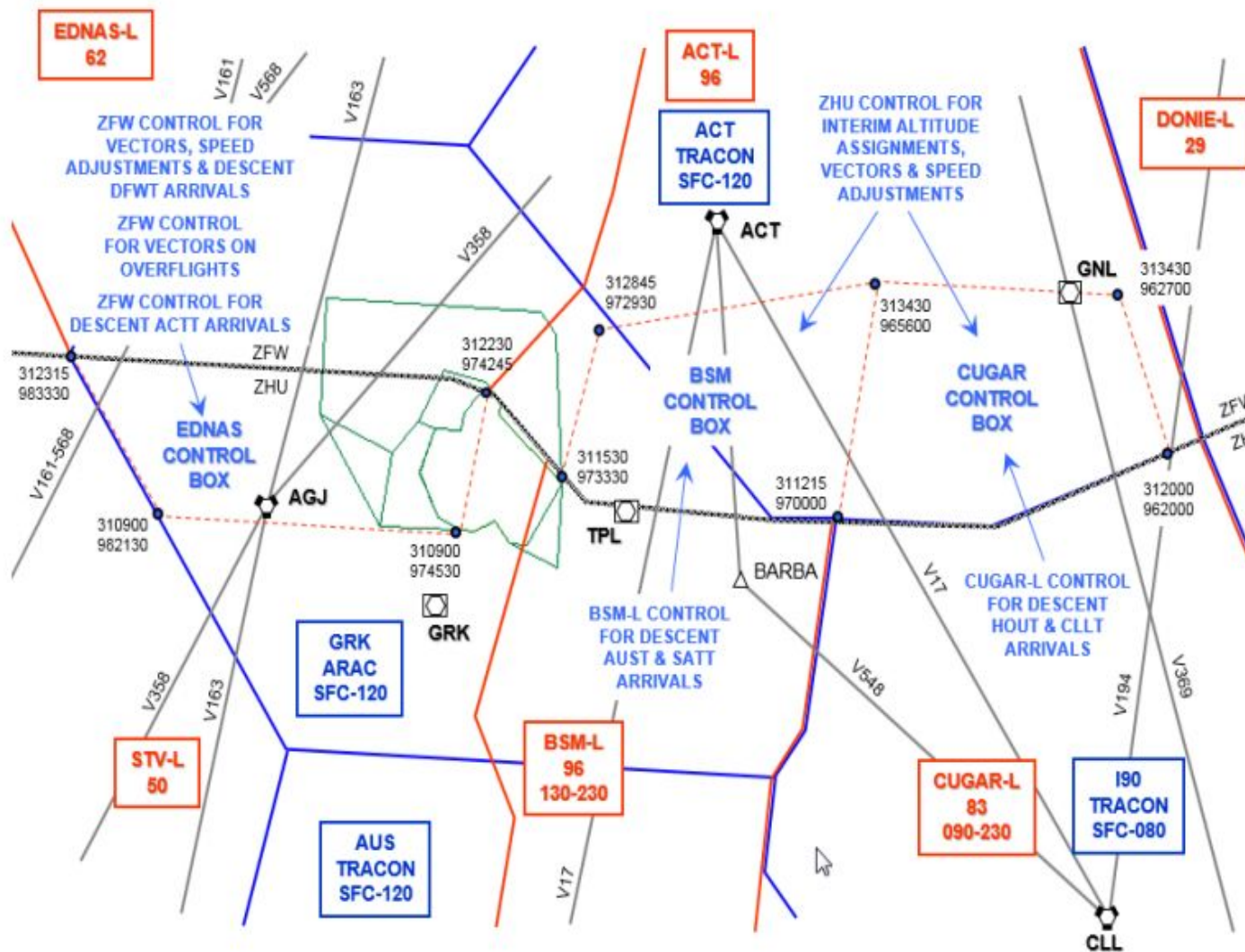
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ATTACHMENT C, CONT.
HIGH ALTITUDE RELEASE OF CONTROL AREAS



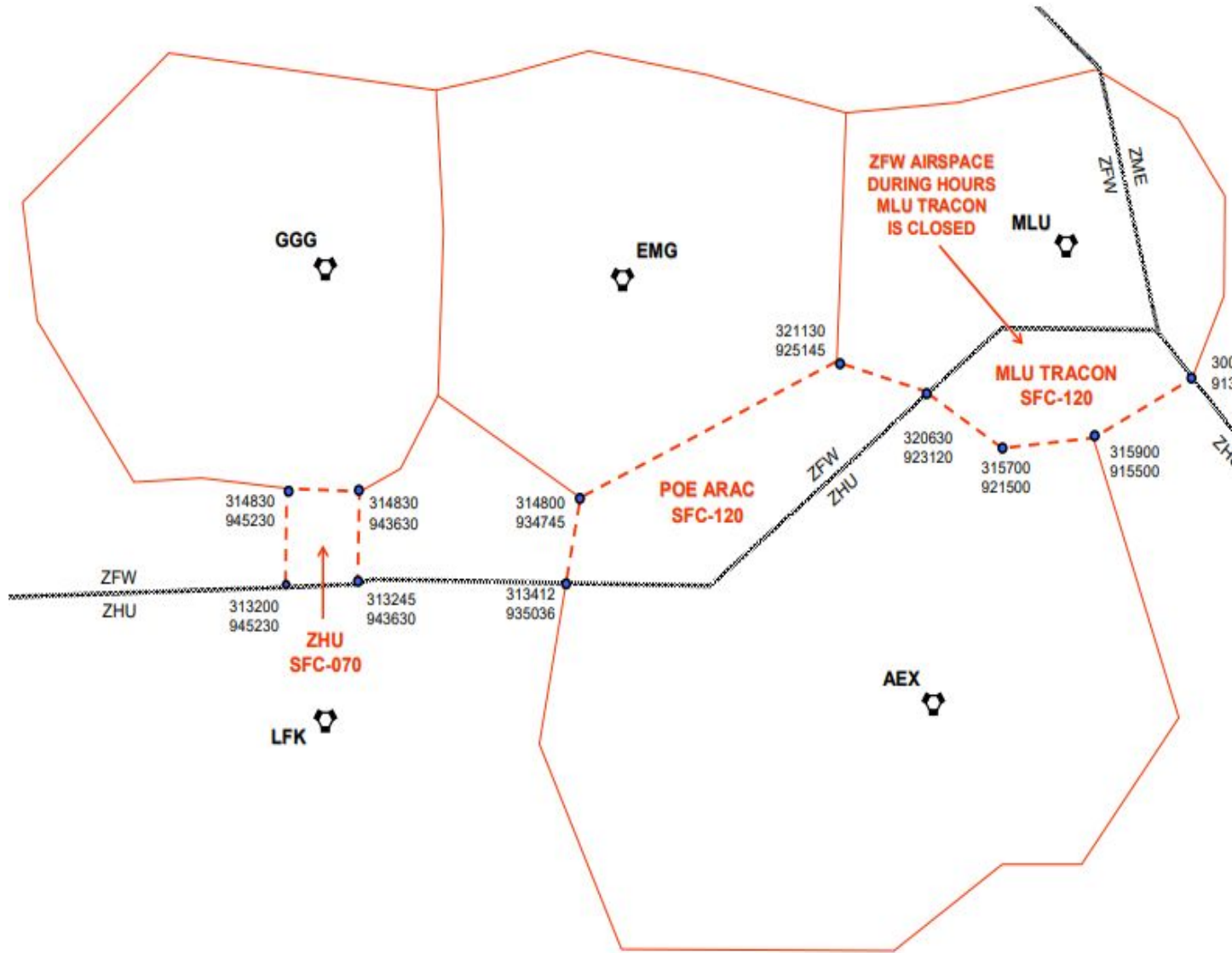
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ATTACHMENT D
LOW ALTITUDE RELEASE OF CONTROL AREAS



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ATTACHMENT E
LOW ALTITUDE DELEGATION OF AIRSPACE



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ATTACHMENT F

HIGH ALTITUDE DELEGATION OF AIRSPACE

