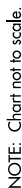


Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 04/17/2025	APWS Task ID: 8F728E11320143A4BD9CA7E305B0880E	APWS Project ID: 4A903BB025934DB89C1767F947EE4090
Procedure: STAR GESNR TWO (RNAV) ARRIVAL HOUSTON TX KIAH		Enroute: YES	Specialist: Gorman, Barbara		Agreement Number:
Airport ID: KIAH			Airport City: HOUSTON		State: TX
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div>Procedure Comments: Procedure Comments: APPROVAL LETTER (1): LENGTH LENGTH FOR DECLARATION. ACTIVE DATA USED FOR KIAH AIRPORT AND RUNWAYS. CONTACT: CASIMIR TABABKA 405.954.7931</div> <div><div>QUALITY 35 CHECKED</div><div>QUALITY 41 CHECKED</div></div>					

FIPC DME/DME FORM									
PROCEDURE: STAR GESNR TWO (RNAV) ARRIVAL HOUSTON TX KIAH				AIRPORT NAME: GEORGE BUSH INTCNTL/HOUSTON		AIRPORT ID: KIAH		SPECIAL CONTROL NO: OG-12-155-24	
FAC ID: GESNR2			CITY: HOUSTON			ST: TX		ORIG CHART DATE: 04/17/2025	
DFL TYPE: PROC/D		THIRD PARTY: <input type="checkbox"/> YES		EST. TIME ON SITE: 1.0		REIMB. NUMBER: AC0721		PTS TASK ID: 8F728E11320143A4BD9CA7E305B0880E	
PREFLIGHT NOTES									
REVIEWER: anthony d vallera							DATE: 01/31/2025		
COMMENTS:							CHECK ONE:		
							<input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT		
									YES
							CPV COMPLETE?		X
PROCEDURE RESULTS									
INSPECTION DATE: 01/31/2025		CREW #: VN218		N #: N90		INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: anthony d vallera @ 01/31/2025 19:19				PRINTED NAME: VALLERA, ANTHONY DOMINIC				NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
FLIGHT INSPECTOR REMARKS: Procedure Satisfactory for GNSS operations, DME/DME awaiting approval by the applicable AJV Operations Support Group									
DME/DME STATUS: <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT		SPECIALIST SIGNATURE:				PRINTED NAME:			
SPECIALIST REMARKS:									
IN-FLIGHT OBSTACLE REPORT									
OBSTRUCTION ID #:		COORDINATES OR LOCATION:		GNSS ALTITUDE (MSL):		BAROMETRIC ALTITUDE (MSL):		HEIGHT ABOVE GROUND LEVEL:	



(CONTINUED ON FOLLOWING PAGE)

HOUSTON, TEXAS

ARRIVAL ROUTE DESCRIPTION

- ALEXANDRIA TRANSITION (AEX.GESNR2):
- CARPR TRANSITION (CARPR.GESNR2):
- PLANB TRANSITION (PLANB.GESNR2):
- SWEUP TRANSITION (SWEUP.GESNR2):

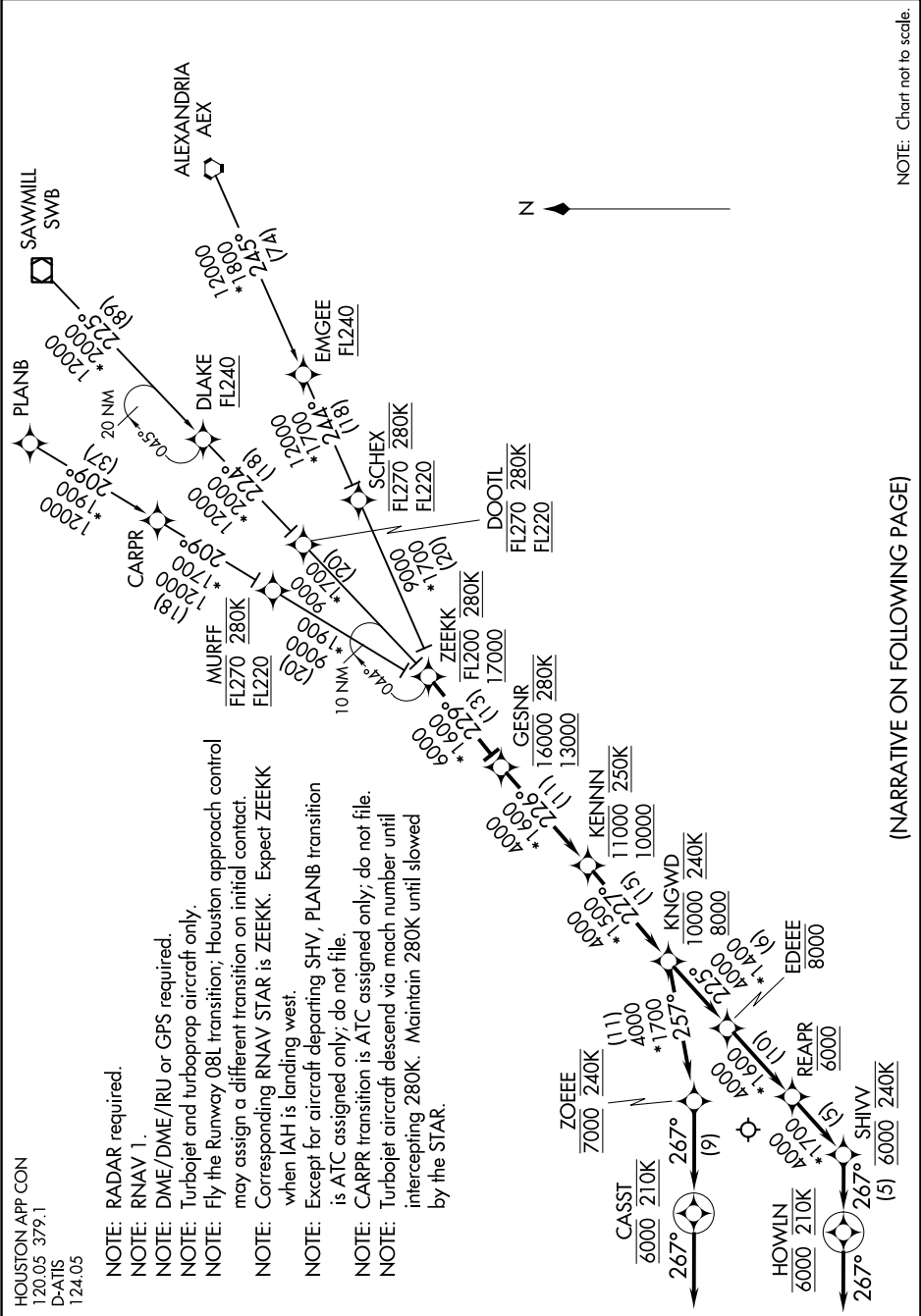
From ZEEKK on track 229° to cross GESNR between 13000 and 16000 and at 280K.

LANDING RUNWAY 8L: From GESNR on track 226° to cross KENNN between 10000 and 11000 and at 250K, then on track 227° to cross KNGWD between 8000 and 10000 and at 240K, then on track 257° to CROSS ZOEEE at 7000 and at 240K, then on track 267° to cross CASST at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8R/9: From GESNR on track 226° to cross KENNN between 10000 and 11000 and at 250K, then on track 227° to cross KNGWD between 8000 and 10000 and at 240K, then on track 225° to cross EDEEE at or below 8000, then on track 225° to cross REAPR at 6000, then on track 225° to cross SHIVV at 6000 and at 240K, then on track 267° to cross HOWLN at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

PROTOTYPE-NOT FOR NAVIGATION

SC-5, 03 OCT 2024 to 31 OCT 2024



ARRIVAL ROUTE DESCRIPTION

- ALEXANDRIA TRANSITION (AEX.GESNR1):
- CARPR TRANSITION (CARPR.GESNR1):
- PLANB TRANSITION (PLANB.GESNR1):
- SAWMILL TRANSITION (SWB.GESNR1):

From ZEEKK on track 229° to cross GESNR at or above 13000, at or below 16000 and at 280K.

LANDING RUNWAY 8L: From GESNR on track 226° to cross KENNN at or above 10000, at or below 11000 and at 250K, then on track 227° to cross KNGWD at or above 8000, at or below 10000 and at 240K, then on track 257° to CROSS ZOEEE at 7000 and at 240K, then on track 267° to cross CASST at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8R/9: From GESNR on track 226° to cross KENNN at or above 10000, at or below 11000 and at 250K, then on track 227° to cross KNGWD at or above 8000, at or below 10000 and at 240K, then on track 225° to cross EDEEE at or below 8000, then on track 225° to cross REAPR at 6000, then on track 225° to cross SHIVV at 6000 and at 240K, then on track 267° to cross HOWLN at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.



Federal Aviation Administration

Memorandum

Date: August 29, 2024

To: Charles R Erickson, (Acting) Fight Procedures Team Manager

From: Morgan S. Lee, Support Manager (A), Airspace and Procedures,
Houston District (TCHU1-ZHU)

Prepared by: William Roth, Senior ATC Specialist, NAVTAC Support

Subject: Letter of Approval Request GESNR STAR, KIAH

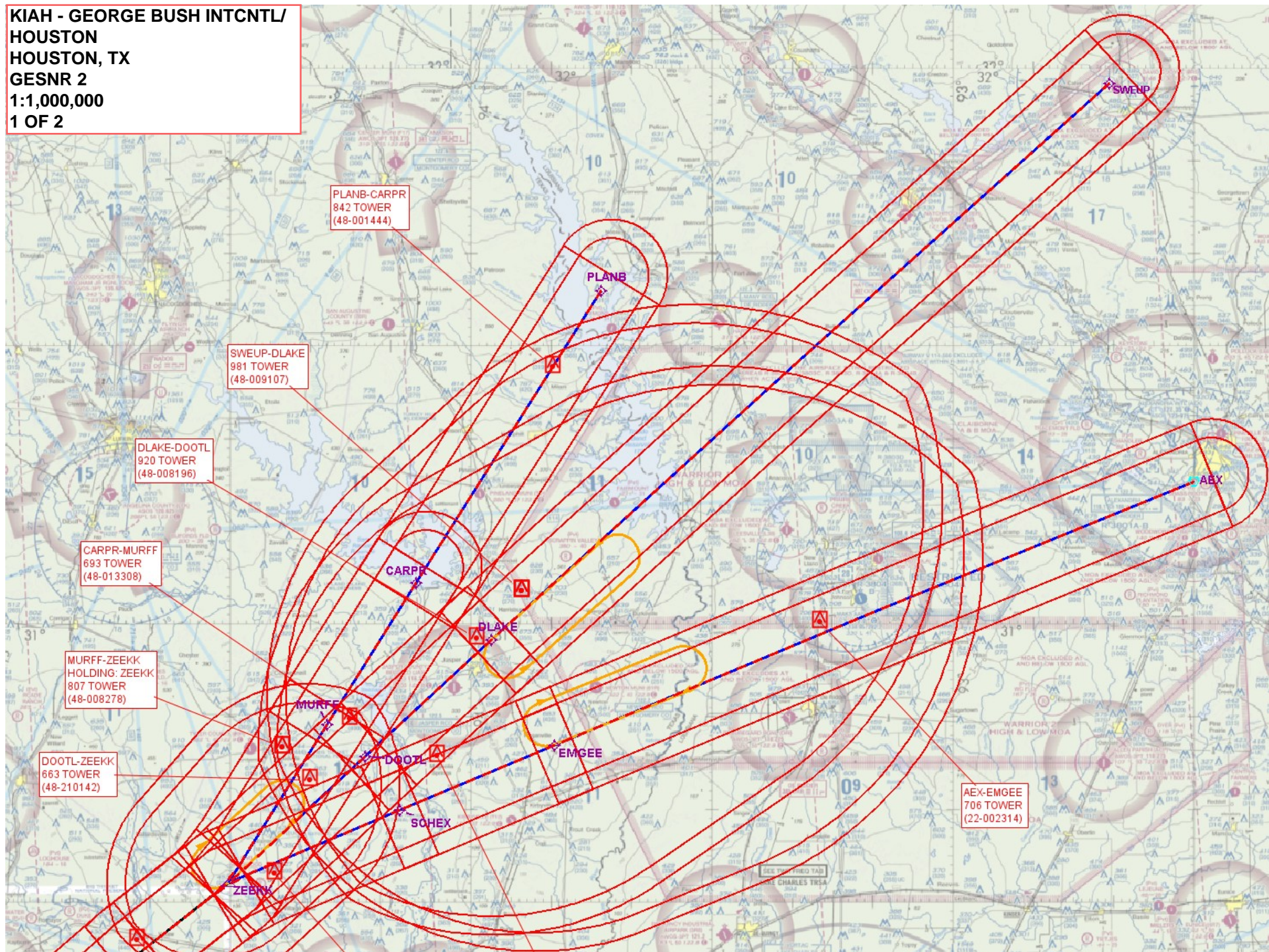
KIAH GESNR Standard Terminal Arrival Route (STAR): GESNR TO KENNN Leg Length for Deceleration

Currently, criteria evaluate loss of altitude and airspeed wholly contained within a single segment, not through the entirety of the flown procedure. FAAO 8260.3F, PARA 2-2-10 prescribes allowable deceleration distances for STAR development.

The length of the leg from GESNR TO KENNN is 10.55 NM. This leg must be at least 12.09 NM long due to deceleration from 280.0 KIAS to 250 KIAS between 13000.0 ft. MSL to 10000.0 ft MSL. Flight Standards approval is required.

The total distance from GESNR TO KENNN is 10.55 NM and the segment requires the aircraft to lose 3000ft of altitude and 30 KTS of airspeed. Using formula 2-2-2 of 8260.3F, computes a minimum deceleration distance of 12.09NM. Industry indicates that the procedure can be easily managed without increased energy management actions by the flight crew and these altitude restrictions and speed restrictions have been published on this procedure for several years without any reported issues.

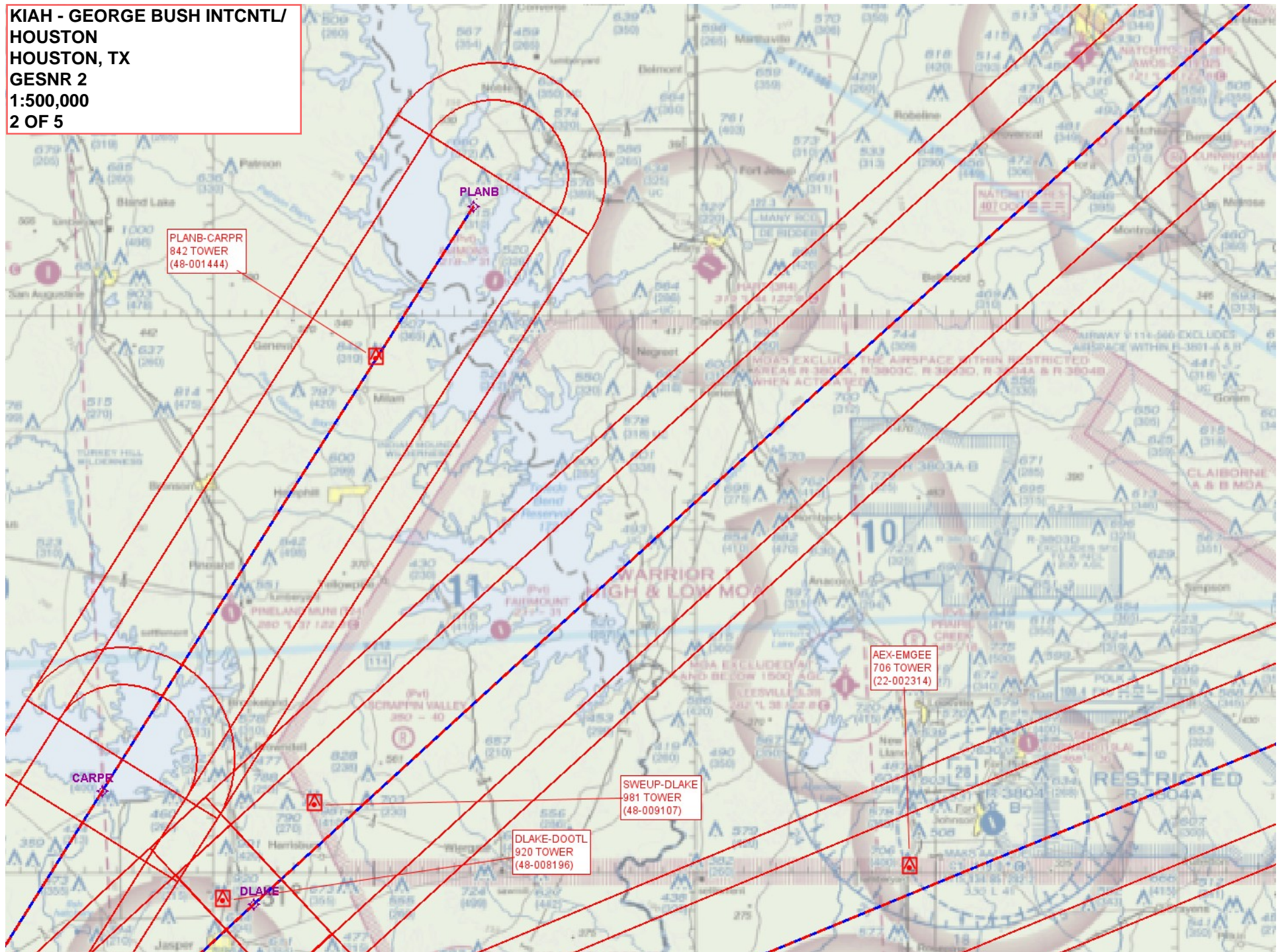
KIAH - GEORGE BUSH INTCNL/
HOUSTON
HOUSTON, TX
GESNR 2
1:1,000,000
1 OF 2

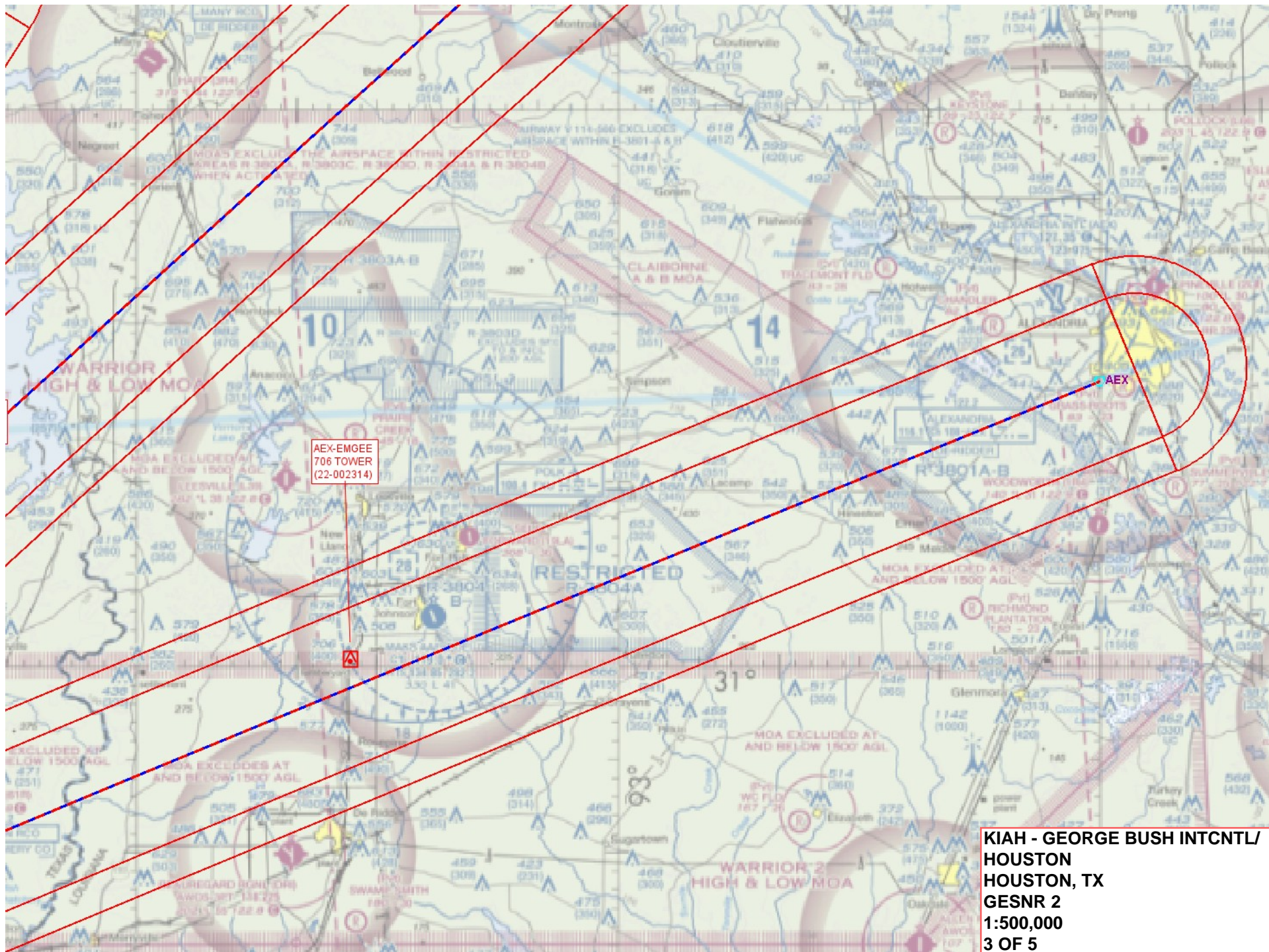


**KIAH - GEORGE BUSH INTCNTL/
HOUSTON
HOUSTON, TX
GESNR 2
1:1,000,000
2 OF 2**

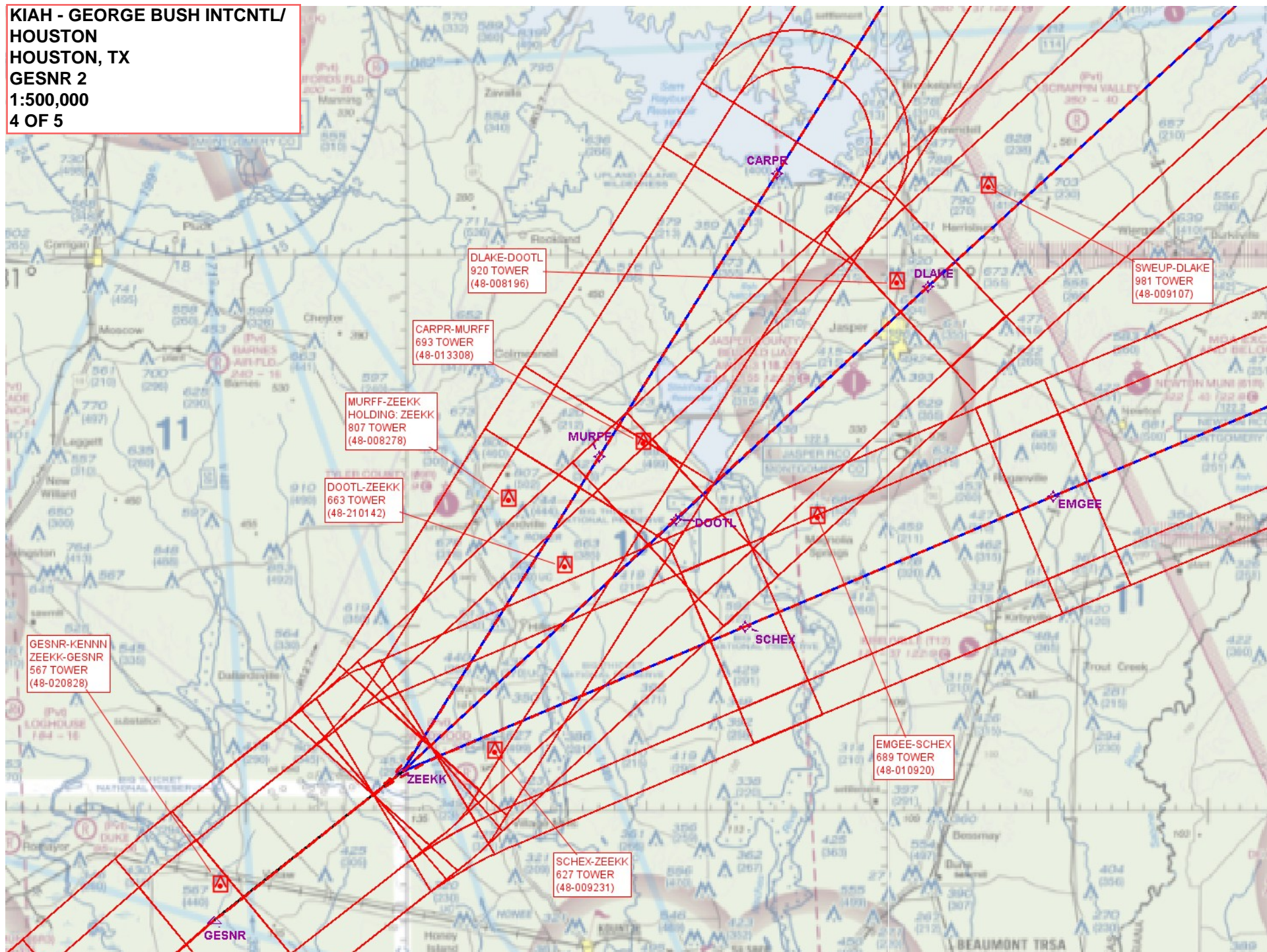
KIAH - GEORGE BUSH INTCNTL/
HOUSTON
HOUSTON, TX
GESNR 2
1:500,000
1 OF 5

KIAH - GEORGE BUSH INTCNL/
HOUSTON
HOUSTON, TX
GESNR 2
1:500,000
2 OF 5





KIAH - GEORGE BUSH INTCNL/
HOUSTON
HOUSTON, TX
GESNR 2
1:500,000
4 OF 5



KIAH - GEORGE BUSH INTCNL/
HOUSTON
HOUSTON, TX
GESNR 2
1:500,000
5 OF 5

