

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
VENUS	FOUR	VENUS4.TTT	THREE	10/10/2019	23 FEB 2023

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13R - TURN RIGHT HEADING 163.00 NOT LATER THAN 0.7 DME OUTBOUND ON THE I-DPX LOCALIZER SOUTHEAST COURSE, TO INTERCEPT AND CLIMB ON THE CVE R-139 FOR RADAR VECTORS TO APPROPRIATE ROUTE. UNLESS OTHERWISE ADVISED MAINTAIN 5000 AND EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
COLLEGE STATION	VENUS4.CLL	TTT VOR/DME	ARDIA	165.51 (TTT R-166)	35.36	4000	3600	
		ARDIA	ELLVR	165.51 (TTT R-166)	34.92	7000	2300	
		ELLVR	CLL VORTAC	154.09 (CLL R-334)	69.44	7000	2300	
ELLVR	VENUS4.ELLVR	TTT VOR/DME	ARDIA	165.51 (TTT R-166)	35.36	4000	3600	
		ARDIA	ELLVR	165.51 (TTT R-166)	34.92	7000	2300	
HOARY	VENUS4.HOARY	TTT VOR/DME	NELYN	185.94 (TTT R186)	35.75	4000	2400	
		NELYN	ACT VORTAC	177.47 (ACT R-357)	37.53	4000	2100	
		ACT VORTAC	HOARY	193.00 (ACT R-193)	69.99	12000	3100	
NAVASOTA	VENUS4.TNV	TTT VOR/DME	DARTZ	155.52 (TTT R-156)	36.82	4000	3600	
		DARTZ	TORNN	155.52 (TTT R-156)	48.26	6000	2100	
		TORNN	BILEE	155.52 & 154.40 (TTT R-156 & TNV R-334)	22.38	6000	1900	
		BILEE	TNV VOR/DME	154.40 (TNV R-334)	55.04	6000	1900	
SAN ANTONIO	VENUS4.SAT	TTT VOR/DME	NELYN	184.94 (TTT R-186)	35.75	4000	2400	
		NELYN	ACT VORTAC	177.47 (ACT R-357)	37.53	4000	2100	
		ACT VORTAC	HOARY	193.00 (ACT R-193)	69.99	12000	3100	
		HOARY	SAT VORTAC	204.41 (SAT R-024)	66.29	12000	2900	

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VENUS		FOUR	VENUS4.TTT	THREE	10/10/2019	23 FEB 2023
TORNN	VENUS4.TORNN	TTT VOR/DME	DARTZ	155.52 (TTT R-156)	36.82 4000 3600	
		DARTZ	TORNN	155.52 (TTT R-156)	48.26 6000 2100	
WACO	VENUS4.ACT	TTT VOR/DME	NELYN	185.94 (TTT R-186)	35.75 4000 2400	
		NELYN	ACT VORTAC	177.47 (ACT R357)	37.53 4000 2100	
WINDU	VENUS4.WINDU	TTT VOR/DME	JASPA	175.54 (TTT R-176)	34.99 4000 3400	
		JASPA	WINDU	175.54 (TTT R-176)	45.19 8000 2400	

PROCEDURAL DATA NOTES:

NOTE: COLLEGE STATION TRANSITION: FOR PISTON AND TURBOPROP AIRCRAFT INBOUND TO WILLIAM P HOBBY, ELLINGTON, SCHOLLES INTERNATIONAL AT GALVESTON, OR TEXAS GULF COAST REGIONAL AIRPORTS. ALL OTHER AIRCRAFT TYPES INBOUND TO ALL OTHER HOUSTON TERMINAL AREA AIRPORTS EXCEPT GEORGE BUSH INTERCONTINENTAL/HOUSTON, CONROE/NORTH HOUSTON REGIONAL, DAVID WAYNE HOOKS MEMORIAL, LIBERTY MUNICIPAL, OR CLEVELAND MUNICIPAL AIRPORTS

NOTE: ELLVR TRANSITION: FOR TURBOJET AIRCRAFT INBOUND TO WILLIAM P HOBBY, ELLINGTON, SCHOLLES INTERNATIONAL AT GALVESTON, OR TEXAS GULF COAST REGIONAL AIRPORTS.

NOTE: HOARY TRANSITION: FOR E/F SUFFIXED AIRCRAFT.

NOTE: SAN ANTONIO TRANSITION: FOR AIRCRAFT OVERFLYING CENTEX AND SAN ANTONIO.

NOTE: TORNN TRANSITION: ONLY FOR AIRCRAFT INBOUND TO GEORGE BUSH INTERCONTINENTAL/HOUSTON, CONROE/NORTH HOUSTON REGIONAL, DAVID WAYNE HOOKS MEMORIAL, LIBERTY MUNICIPAL, OR OR CLEVELAND MUNICIPAL AIRPORTS.

NOTE: WACO TRANSITION: FOR AIRCRAFT INBOUND TO WACO OR GRAY TERMINAL AREA AIRPORTS.

NOTE: WINDU TRANSITION: FOR AIRCRAFT INBOUND TO AUSTIN OR SAN ANTONIO TERMINAL AREA.

NOTE: THIS DP IS TO BE USED ONLY UPON ASSIGNMENT BY LOVE TOWER NORMALLY BETWEEN 2100-0600 LOCAL TIME.

PBN REQUIREMENTS NOTES:**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED. DME REQUIRED.

TAKEOFF MINIMUMS:

RWY 13L, 18, 31L, 31R, 36: NA - NOISE ABATEMENT.

RWY 13R: STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 1700.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

1368 FT MSL BLDG (48-004928) 324648.00N/0964814.00W.

MSA:**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 5000.

CHART: 1368 BLDG 324648/964814 (3.80 NM FROM DEPARTURE END RWY 13R).

CHART: 1075 BLDG 324820/964733 (3.09 NM FROM DEPARTURE END RWY 13R).

CHART: 1194 BLDG 324717/964748 (3.63 NM FROM DEPARTURE END RWY 13R).

QUALITY
16
CHECKED

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CHART: TSA GLIDEPORT.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KDAL	DALLAS	TX

COMMUNICATIONS:

CHART ATIS, CLNC DEL, GND CON, TWR, CPDLC

FIXES AND/OR NAVAIDS:

LOA VORTAC, CWK VORTAC

REMARKS:FLIGHT INSPECTED BY

MICHAEL S MILLER

Digitally signed by
CASIMIR L TABAKA
Dec 05, 2022

OFFICE

FPO

DATE

12/01/2022

DEVELOPED BY

APRIL SARMENTO

Digitally signed by
APRIL T SARMENTO
Sep 08, 2022

OFFICE

AJV-A432

DATE

08/01/2022

APPROVED BY

JOHNNIE BAKER

Digitally signed by
CASIMIR L TABAKA
Sep 29, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZFW, REGIONAL DEP CON, DAL ATCT, AMGR

CHANGES - REASONS:

1. TRANSITION ROUTES: REMOVED TRANSITIONS ARDIA, BILEE AND JASPA - ATC REQUEST
2. TRANSITION ROUTES: NAVASOTA TRANSITION: ADDED NEW TRANSITION ROUTE SEGMENT FROM BILEE TO TNV VOR/DME - ATC REQUEST
3. TRANSITION ROUTES: TRANSITIONS COLLEGE STATION AND ELLVR ADDED MOCA 3600 TO SEGMENT TTT VOR/DME TO ARDIA, CHANGED SEGMENT ARDIA TO ELLVR MOCA FROM 2100 TO 2300, AND CHANGED DISTANCE FROM 35.56 TO 35.36 - IAW 8260.46 SECTION 2, 4. H.
4. TRANSITION ROUTES; COLLEGE STATION SEGMENT ELLVR TO CLL VORTAC MOCA CHANGED FROM 2100 TO 2300 - NEW CONTROLLING OBSTACLE
5. TRANSITION ROUTES: TRANSITIONS HOARY/SAN ANTONIO/WACO ADDED MOCA 2400 TO SEGMENT TTT VOR/DME TO NELYN AND CHANGED DISTANCE IN SEGMENT NELYN TO ACT VORTAC FROM 37.52 TO 37.53 - NEW DISTANCE/IAW 8260.46 SECTION 2, 4. H.
6. TRANSITION ROUTES: HOARY AND SAN ANTONIO CHANGED MOCA IN SEGMENT ACT VORTAC TO HOARY FROM 2500 TO 3100 - NEW CONTROLLING OBSTACLE
7. TRANSITION ROUTES: TRANSITIONS HOARY AND SAN ANTONIO CHANGED DISTANCE FROM 70.00 TO 69.99 IN SEGMENT ACT VORTAC TO HOARY - NEW DISTANCE
8. TRANSITION ROUTES: TRANSITION TORNIN AND NAVASOTA, ADDED MOCA 3600 TO SEGMENT TTT VOR/DME TO DARTZ AND CHANGED MOCA IN SEGMENT DARTZ TO TORNIN FROM 2000 TO 2100 - IAW 8260.46 SECTION 2, 4. H.
9. TRANSITION ROUTES: TRANSITION WINDU, ADDED MOCA 2100 TO SEGMENT TTT VOR/DME TO JASPA - IAW 8260.46 SECTION 2, 4. H.
10. PROCEDURAL DATA NOTES: COLLEGE STATION TRANSITION: CHANGED FROM "FOR PISTON AND TURBOPROP AIRCRAFT DESTINED HOU, EFD, GLS, OR LBX. FOR ALL AIRCRAFT TYPES DESTINED ALL OTHER HOUSTON TERMINAL AREA AIRPORTS EXCEPT IAH, CXO OR DWH. FROM OVER TTT VOR/DME VIA TTT R-166 TO ELLVR INT, THEN VIA CLL R-334 TO CLL VORTAC." TO "FOR

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PISTON AND TURBOPROP AIRCRAFT INBOUND TO WILLIAM P HOBBY, ELLINGTON, SCHOLES INTERNATIONAL AT GALVESTON, OR TEXAS GULF COAST REGIONAL AIRPORTS. ALL OTHER AIRCRAFT TYPES INBOUND TO ALL OTHER HOUSTON TERMINAL AREA AIRPORTS EXCEPT GEORGE BUSH INTERCONTINENTAL/HOUSTON, CONROE/NORTH HOUSTON REGIONAL, DAVID WAYNE HOOKS MEMORIAL, LIBERTY MUNICIPAL, OR CLEVELAND MUNICIPAL AIRPORTS" - ATC REQUEST

11. PROCEDURAL DATA NOTES: ELLVR TRANSITION: CHANGED FROM "FOR TURBOJET AIRCRAFT DESTINED HOU, EFD, GLS, OR LBX. FROM OVER TTT VOR/DME VIA TTT R-166 TO ELLVR INT." TO "FOR TURBOJET AIRCRAFT INBOUND TO WILLIAM P HOBBY, ELLINGTON, SCHOLES INTERNATIONAL AT GALVESTON, OR TEXAS GULF COAST REGIONAL AIRPORTS" - ATC REQUEST

12. PROCEDURAL DATA NOTES: TORNN TRANSITION: CHANGED FROM "FOR GPS OR DME/DME/IRU EQUIPPED AIRCRAFT OVERFLYING TORNN INT THEN VIA THE APPROPRIATE RNAV STAR TO IAH, CXO, OR DWH. ALSO FOR AIRCRAFT LANDING THE LAFAYETTE, LAKE CHARLES, OR BEAUMONT/PORT ARTHUR TERMINAL AREAS. FROM OVER TTT VOR/DME VIA TTT R-156 TO TORNN INT." TO "ONLY FOR AIRCRAFT INBOUND TO GEORGE BUSH INTERCONTINENTAL/HOUSTON, CONROE/NORTH HOUSTON REGIONAL, DAVID WAYNE HOOKS MEMORIAL, LIBERTY MUNICIPAL, OR OR CLEVELAND MUNICIPAL AIRPORTS.." - ATC REQUEST

13. PROCEDURAL DATA NOTES: WINDU TRANSITION: CHANGED FROM "FOR AIRCRAFT INBOUND TO AUSTIN OR SAN ANTONIO TERMINAL AREA AIRPORTS, AIRCRAFT SHOULD FILE AND/OR EXPECT THE BLEWE OR MARCS ARRIVAL AT WINDU INT." TO "FOR AIRCRAFT INBOUND TO AUSTIN OR SAN ANTONIO TERMINAL AREA." - ATC REQUEST

14. TAKEOFF MINIMUMS: RW13R: CHANGED FROM "STANDARD WITH A MINIMUM CLIMB OF 482 FT PER NM TO 1700" TO "STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 1700." - LOWERED CG TO MATCH ODP/SAME CONTROLLING OBSTACLE

15. COMMUNICATIONS: ADDED CHART AND CPDLC. REMOVED DEPARTURE CONTROL - IT WILL BE CHARTED AUTOMATICALLY IAW 8260.46H APPENDIX D, SECTION 2, PARA 14

12/05/2022: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON 09/08/22.

1. WINDU TRANSITION: TTT VOR/DME TO JASPA, RAISED MOCA FROM 2100 TO 3400.

