

**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SUPERSEDED NUMBER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>
YODUH	ONE	YODUH1.YODUH	NONE		25 JAN 2024
<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"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

SAN ANTONIO INTL (KSAT):

TAKEOFF RWY 4: CLIMB ON HEADING 036.78 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 13L: CLIMB ON HEADING 127.63 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 13R: CLIMB ON HEADING 127.60 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 22: CLIMB ON HEADING 216.79 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 31L: CLIMB ON HEADING 307.61 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 31R: CLIMB ON HEADING 307.64 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...

...ON TRACK 002.38 TO YODUH, THEN ON TRANSITION. MAINTAIN 5000.

BOERNE STAGE FLD (5C1):

TAKEOFF RWY 17: CLIMB ON HEADING 169.01 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 35: CLIMB ON HEADING 349.01 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...

CASTROVILLE MUNI (KCVB):

TAKEOFF RWY 16: CLIMB ON HEADING 156.98 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 34: CLIMB ON HEADING 336.98 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...

KELLY FLD (KSKF):

TAKEOFF RWY 16: CLIMB ON HEADING 158.15 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 34: CLIMB ON HEADING 338.15 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...

NEW BRAUNFELS NTL (KBAZ):

TAKEOFF RWY 13: CLIMB ON HEADING 127.73 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 17: CLIMB ON HEADING 172.71 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 31: CLIMB ON HEADING 307.74 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 35: CLIMB ON HEADING 352.71 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...

PLEASANTON MUNI (KPEZ):

TAKEOFF RWY 16: CLIMB ON HEADING 157.10 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 34: CLIMB ON HEADING 337.10 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...

RANDOLPH AFB (KRND):

TAKEOFF RWY 15L: CLIMB ON HEADING 145.03 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 15R: CLIMB ON HEADING 145.03 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 33L: CLIMB ON HEADING 325.03 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 33R: CLIMB ON HEADING 325.04 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...

STINSON MUNI (KSSF):

TAKEOFF RWY 9: CLIMB ON HEADING 094.53 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 14: CLIMB ON HEADING 137.36 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 27: CLIMB ON HEADING 274.53 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...
TAKEOFF RWY 32: CLIMB ON HEADING 317.36 OR AS ASSIGNED BY ATC, FOR VECTORS TO SITHH, THENCE...



...ON TRACK 002.38 TO YODUH, THEN ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
KLNGR	YODUH1.KLNGR	YODUH	KLNGR	TRACK 010.80	71.25	10000	3000	
PRTZY	YODUH1.PRTZY	YODUH	GJACK	TRACK 328.70	83.00	10000	3400	
		GJACK	PRTZY	TRACK 328.32	79.79	10000	3900	

PROCEDURAL DATA NOTES:
NOTE: AIRCRAFT DESTINED FOR AIRPORTS NORTH/NORTHEAST OF DFW TERMINAL AREA MUST FILE THE KLNGR TRANSITION.

PBN REQUIREMENTS NOTES:
RNAV 1 - DME/DME IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:
RADAR REQUIRED.

TAKEOFF MINIMUMS:
SAN ANTONIO INTL
RWY 4, 13L, 13R, 22, 31L, 31R: STANDARD

BOERNE STAGE FLD
RWY 17: STANDARD WITH MINIMUM CLIMB OF 210 FT/NM TO 2200.
RWY 35: STANDARD WITH MINIMUM CLIMB OF 250 FT/NM TO 3800.

CASTROVILLE MUNI
RWY 16, 34: STANDARD

KELLY FLD
RWY 16, 34: STANDARD

NEW BRAUNFELS NTL
RWY 13, 17, 31, 35: STANDARD

PLEASANTON MUNI
RWY 16, 34: STANDARD

RANDOLPH AFB
RWY 15L, 15R, 33L, 33R: STANDARD

STINSON MUNI
RWY 9: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1900
RWY 14: STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1900
RWY 27: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FEET PRIOR TO DER.
RWY 32: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1700

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



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
YODUH	ONE	YODUH1.YODUH	NONE		25 JAN 2024

CONTROLLING OBSTACLES:

BOERNE STAGE FIELD:

RWY 17: 1942 AAO 294015.00N/0984345.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE)

RWY 35: 3048 MSL TOWER (48-005697) 295027.00N/0984933.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE).

STINSON MUNI:

RWY 9, 14: 1546 MSL TOWER (48-004668) 291938.75N/0982117.63W (CLIMB GRADIENT, CLIMB-TO ALTITUDE).

RWY 27: 802 MSL TANK (48-169742) 292048.87N/0983016.57W (CEILING, CLIMB GRADIENT, CLIMB-TO ALTITUDE), 799 MSL TANK (48-005287) 292049.00N/0983017.00W, (VISIBILITY).

RWY 32: 1379 MSL TOWER (48-001577) 292509.00N/0982901.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE).

MSA:

KSAT: MSA FROM KSAT, 4100

5C1: MSA FROM 5C1, 4100

KCVB: MSA FROM KCVB, 4100

KSKF: MSA FROM KSKF, 4100

KBAZ: MSA FROM KBAZ, 3100

KPEZ: MSA FROM KPEZ, 3100

KRND: MSA FROM KRND, 3200

KSSF: MSA FROM KSSF, 4100

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: KSAT: 5000; 5C1, KCVB, KSKF, KBAZ, KPEZ, KRND, KSSF: ASSIGNED BY ATC.

AIRPORT MV: SAT (P) 4E/2020, 5C1 5E/2010, KCVB 4E/2020, KSKF 4E/2020, KBAZ 8E/1975, KPEZ 6E/2000, KRND 5E/2010, KSSF 8E/1980

CHART: MINIMUM CROSSING ALTITUDE AT SITHH-5000.

DME/DME ASSESSMENT: SAT (RNP 2.0).

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KSAT	SAN ANTONIO	TX
5C1	SAN ANTONIO	TX
KCVB	CASTROVILLE	TX
KSKF	SAN ANTONIO	TX
KBAZ	NEW BRAUNFELS	TX
KPEZ	PLEASANTON	TX
KRND	UNIVERSAL CITY	TX
KSSF	SAN ANTONIO	TX

COMMUNICATIONS:

SAN ANTONIO INTL: CHART: ATIS, GND CON, CLNC DEL, ATCT

STINSON MUNI: CHART: ATIS, GND CON, CLNC DEL, ATCT

KELLY FLD: CHART: ATIS, ATCT, GND CON

NEW BRAUNFELS NTL: CHART: ATIS, ATCT, GND CON, CLNC DEL



PLEASANTON MUNI: CHART: CLNC DEL
RANDOLPH AFB: CHART: ATIS, ATCT, GND CON, CLNC DEL

FIXES AND/OR NAVAIDS:

REMARKS:
ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
ATC APPROVAL TO APPLY 45 DEGREE INTERCEPT AT SITHH IAW 8260.58B, 5-6-2 D.
AFS MEMO WAIVER TO FAA ORDER 8260-58C PARA 1-2-5 C. 3., MAXIMUM BANK ANGLE DATED 1/21/23 ALLOWING 23 DEGREES OF BANK ANGLE ABOVE FL195 UP TO FL245 APPLIED FOR KCVB AND KPEZ FOR SITHH TO YODUH SEGMENT.
USER DEFINED TAILWINDS APPLIED AT YODUH.

FLIGHT INSPECTED BY	Digitally signed by	OFFICE	DATE	
JAMES HAWLEY	JASON KRETSCHMER Aug 11, 2023	FPO	08/10/2023	
DEVELOPED BY	Digitally signed by	OFFICE	DATE	
PHILLIP BRANDENBURG	PHILLIP BRANDENBURG Apr 26, 2023	AJV-A423	03/01/2023	
APPROVED BY	Digitally signed by	OFFICE	DATE	TITLE
ALLAN WILL	JASON KRETSCHMER Aug 11, 2023	AJV-A423		MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

A4A☒ ALPA☒ AOPA☒ APA☒ HAI☐ NBAA☒ OTHER:ZHU, SAT APP CON, SAT ATCT, AMGR, STATE AVIATION DIRECTOR

CHANGES - REASONS:
ORIGINAL.



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
YODUH		ONE		YODUH1.YODUH		NONE			25 JAN 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
SITHH	295126.66N/0982512.91W	Y	-	IF	-	-	AT/ABOVE 5000		
YODUH	300423.70N/0982333.05W	Y	FB	TF	006.38	13.00			
YODUH	300423.70N/0982333.05W	Y	-	IF	-	-			YODUH1.KLNGR
KLNGR	311324.79N/0980219.85W	Y	FB	TF	014.80	71.25			
YODUH	300423.70N/0982333.05W	Y	-	IF	-	-			YODUH1.PRTZY
GJACK	311811.56N/0990759.23W	Y	FB	TF	332.70	83.00			
PRTZY	322852.23N/0995148.18W	Y	FB	TF	332.32	79.79			

