

**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.
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
SETZR	THREE	SETZR3.SETZR	TWO	03/02/2017	03 JAN 2019
<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 checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:**DEPARTING SAN ANTONIO INTL:**

TAKEOFF RWY 4: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 13L: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 13R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 22: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 31L: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 31R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

DEPARTING NEW BRAUNFELS RGNL:

TAKEOFF RWY 13: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 17: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 31: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 35: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

DEPARTING CASTROVILLE MUNI:

TAKEOFF RWY 16: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 34: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

DEPARTING PLEASANTON MUNI:

TAKEOFF RWY 16: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 34: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

DEPARTING STINSON MUNI:

TAKEOFF RWY 09: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 14: CLIMB HEADING 137.36 TO 1200, THEN ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWT 27: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 32: CLIMB HEADING 317.37 TO 1500, THEN ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

DEPARTING BOERNE STAGE FIELD:

TAKEOFF RWY 17: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
 TAKEOFF RWY 35: CLIMB HEADING 349.01 TO 2800, THEN ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

...ON TRACK 073.08 TO SETZR, THEN ON (TRANSITION) MAINTAIN 5000 OR AS ASSIGNED BY ATC. 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>
HOBBY	SETZR3.HUB	SETZR	SMAKR	TRACK 088.77	22.66	10000	2000	
			MERCR	TRACK 089.02	72.41	10000	2000	

QUALITY
3
CHECKED

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SETZR			THREE	SETZR3.SETZR	TWO		03/02/2017	03 JAN 2019
			HUB VOR/DME	TRACK 082.89	38.65	10000	3100	
HUMBLE	SETZR3.IAH	SETZR	SMAKR	TRACK 088.77	22.66	10000	2000	
			MERCR	TRACK 089.02	72.41	10000	2000	
			IAH VORTAC	TRACK 056.04	40.26	10000	2000	
SMAKR	SETZR3.SMAKR	SETZR	SMAKR	TRACK 088.77	22.66	10000	2000	
WYLSN	SETZR3.WYLSN	SETZR	SMAKR	TRACK 088.77	22.66	10000	2000	
			MERCR	TRACK 089.02	72.41	10000	2000	
			WYLSN	TRACK 037.20	54.64	10000	1800	

PROCEDURAL DATA NOTES:**NOTE:** RADAR REQUIRED.**NOTE:** DME/DME/IRU OR GPS REQUIRED.**NOTE:** FOR USE BY TURBOJET AND TURBOPROP AIRCRAFT ONLY.**NOTE:** RNAV 1.**TAKEOFF MINIMUMS:**SAN ANTONIO INTL:

TAKEOFF RWY 4, 13L, 13R, 22, 31L, 31R: STANDARD.

NEW BRAUNFELS RGNL:

TAKEOFF RWY 13, 17, 31, 35: STANDARD.

CASTROVILLE MUNI:

TAKEOFF RWY 16, 34: STANDARD.

PLEASANTON MUNI:

TAKEOFF RWY 16, 34: STANDARD.

STINSON MUNI:

TAKEOFF RWY 14, 32: STANDARD.

TAKEOFF RWY 9: STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 1900.

TAKEOFF RWY 27: 300-1 ¾ OR STANDARD WITH MINIMUM CLIMB OF 221 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1700 FT PRIOR TO DER.

BOERNE STAGE FIELD:

RWY 17, 35: STANDARD.

TAKEOFF OBSTACLES NOTES:SAN ANTONIO INTL:

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



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SETZR	THREE	SETZR3.SETZR	TWO	03/02/2017	03 JAN 2019

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

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

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

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

CONTROLLING OBSTACLES:

STINSON MUNI:
RWY 9: 1546 MSL TOWER (48-004668) 291938.75N/0982117.63W
RWY 27: 799 MSL TANK (48-005287) 292049.00N/0983017.00W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KSAT 4E EPOCH YEAR: 2020
DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE: 5000.
CHART: MEA/MOCA FROM VAUHN TO SETZR, 6500/2500.

PILOT NAVIGATION AREA:
10NM ARC CENTER ON VAUHN (IF), CW
FROM: POINT A (BEARING 028 DEGREES TO VAUHN)
TO: POINT B (BEARING 118 DEGREES TO VAUHN)
MINIMUM ALTITUDE - 6500

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
SAN ANTONIO INTL (KSAT)	SAN ANTONIO	TX
NEW BRAUNFELS RGNL (KBAZ)	NEW BRAUNFELS	TX
CASTROVILLE MUNI (KCVB)	CASTROVILLE	TX
PLEASANTON MUNI (KPEZ)	PLEASANTON	TX
STINSON MUNI (KSSF)	SAN ANTONIO	TX
BOERNE STAGE FIELD (K5C1)	SAN ANTONIO	TX

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SETZR	THREE	SETZR3.SETZR	TWO	03/02/2017	03 JAN 2019

COMMUNICATIONS:

ATIS: SAT, BAZ, SSF; CLNC DEL: SAT, BAZ, SSF; GND CON: SAT, BAZ, SSF; TOWER: SAT, BAZ, SSF; DEP CON: ALL AIRPORTS; CTAF: CVB, PEZ, 5C1.

FIXES AND/OR NAVAIDS:

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SETZR	THREE	SETZR3.SETZR	TWO	03/02/2017	03 JAN 2019

REMARKS:

ABBREVIATED AMENDMENT.

LETTER OF APPROVAL ON FILE FOR AIRCRAFT DEPARTING KBAZ TO BE VECTORED INTO THE PNA BOUNDARY AREA.

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED – PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017

OFFICE SYMBOL:**DATE:**

Digitally signed by
ROBERT G HAMILTON
Sep 18, 2018

DEVELOPED BY:

DUSTIN DAVIDSON

Digitally signed by
DUSTIN DAVIDSON
Sep 14, 2018

OFFICE SYMBOL:**DATE:**

AJV-5422 07/27/2018

APPROVED BY:

JULIE MORGAN

OFFICE SYMBOL:**DATE:**

Digitally signed by
ROBERT G HAMILTON
Sep 18, 2018

AJV-5420

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZHU, SAT APP CON, SAT ATCT, AMGR, STATE AVIATION DIRECTOR

CHANGES - REASONS:

1. CHANGED CASTROVILLE MUNI RWY NUMBERS FROM 15/33 TO 16/34 IN DP ROUTE DESCRIPTION AND TAKEOFF MINIMUMS - AIRPORT MAGVAR UPDATE CAUSED NEW RUNWAY NUMBERS.
2. REMOVED TAKEOFF OBSTACLE NOTES - IAW MEMO #259: IMPLEMENTATION OF AFS WAIVER FOR FAA ORDER 8260.46F, DEPARTURE PROGRAM PROCEDURE.
3. ADDED "CHART: TOP ALTITUDE: 5000" TO ADDITIONAL FLIGHT DATA - TOP ALTITUDE REQUIRED IAW CURRENT 8260.46F CRITERIA.

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
SETZR				THREE		SETZR3.SETZR		TWO		03/02/2017		03 JAN 2019	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
VAUHN	294033.55N/0980052.85W	Y	-	IF	-	-							
SETZR	294245.63N/0974951.10W	Y	FB	TF	077.08	9.85							
SETZR	294245.63N/0974951.10W	Y	-	IF	-	-			SETZR3.HUB				
SMAKR	294137.12N/0972351.83W	Y	FB	TF	092.77	22.66							
MERCR	293721.59N/0960053.66W	Y	FB	TF	093.02	72.41							
HUB VOR/DME	293920.22N/0951635.83W	Y	FB	TF	086.89	38.65							
SETZR	294245.63N/0974951.10W	Y	-	IF	-	-			SETZR3.IAH				
SMAKR	294137.12N/0972351.83W	Y	FB	TF	092.77	22.66							
MERCR	293721.59N/0960053.66W	Y	FB	TF	093.02	72.41							
IAH VORTAC	295724.90N/0952044.59W	Y	FB	TF	060.04	40.26							
SETZR	294245.63N/0974951.10W	Y	-	IF	-	-			SETZR3.SMAKR				
SMAKR	294137.12N/0972351.83W	Y	FB	TF	092.77	22.66							
SETZR	294245.63N/0974951.10W	Y	-	IF	-	-			SETZR3.WYLSN				
SMAKR	294137.12N/0972351.83W	Y	FB	TF	092.77	22.66							
MERCR	293721.59N/0960053.66W	Y	FB	TF	093.02	72.41							
WYLSN	301828.03N/0951919.07W	Y	FB	TF	041.20	54.64							

QUALITY
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