

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SETZR	ONE	SETZR1.SETZR	NONE		15 OCT 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

SAN ANTONIO INTL

TAKEOFF RWY 4: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
TAKEOFF RWY 12L: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
TAKEOFF RWY 12R: 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 30L: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
TAKEOFF RWY 30R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

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 ...

CASTROVILLE MUNI

TAKEOFF RWY 15: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
TAKEOFF RWY 33: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

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 ...

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 ...

BOERNE STAGE FIELD

TAKEOFF RWY 17: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...
TAKEOFF RWY 35: CLIMB HEADING 348.99 TO 2800, THEN ON ASSIGNED HEADING FOR RADAR VECTORS TO VAUHN, THENCE ...

... ON TRACK 069.08 TO SETZR, THEN ON (TRANSITION) MAINTAIN 5000 OR AS ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.



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SETZR	ONE	SETZR1.SETZR	NONE		15 OCT 2015

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
HOBBY	SETZR1.HUB	SETZR	SMAKR	TRACK 084.77	22.66	10000	2000	
			MERCR	TRACK 085.02	72.41	10000	2000	
			HUB VOR/DME	TRACK 078.89	38.65	10000	3100	
HUMBLE	SETZR1.IAH	SETZR	SMAKR	TRACK 084.77	22.66	10000	2000	
			MERCR	TRACK 085.02	72.41	10000	2000	
			IAH VORTAC	TRACK 052.04	40.26	10000	2000	
SMAKR	SETZR1.SMAKR	SETZR	SMAKR	TRACK 084.77	22.66	10000	2000	
WYLSN	SETZR1.WYLSN	SETZR	SMAKR	TRACK 084.77	22.66	10000	2000	
			MERCR	TRACK 085.02	72.41	10000	2000	
			WYLSN	TRACK 033.20	54.64	10000	1800	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS:

SAN ANTONIO INTL
RWY 4, 12L, 12R, 22, 30L, 30R, STANDARD.

NEW BRAUNFELS REGIONAL
RWY 13, 17, 31, 35, STANDARD.

CASTROVILLE MUNI
RWY 15, 33, STANDARD.

PLEASANTON MUNI
RWY 16, 34, STANDARD.

STINSON MUNI
RWY 9, STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 1900.
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 1900 FT PRIOR TO DER.



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SETZR	ONE	SETZR1.SETZR	NONE		15 OCT 2015

BOERNE STAGE FIELD
RWY 17, 35, STANDARD.

NOTE: RADAR REQUIRED.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: FOR USE BY TURBOJET AND TURBOPROP AIRCRAFT ONLY.

NOTE: RNAV 1.

TAKEOFF OBSTACLES NOTES:

SAN ANTONIO INTL

NOTE: RWY 12R, ANTENNA ON RTR TOWER, 1034 FT FROM DER, 723 FT RIGHT OF CENTERLINE, 42 FT AGL/820 FT MSL. BUILDING 3801 FT FROM DER, 1488 FT RIGHT OF CENTERLINE, 177 FT AGL/881 FT MSL.

NOTE: RWY 22, ANTENNA ON HANGAR AND FLAGPOLE, 1198 FT FROM DER, 700 FT RIGHT OF CENTERLINE, 39 FT AGL/825 FT MSL. POLES BEGINNING 2209 FT FROM DER, 1041 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/869 FT MSL. SIGN 2713 FT FROM DER, 1034 FT RIGHT OF CENTERLINE, 71 FT AGL/857 FT MSL.

NOTE: RWY 30L, POLE 1931 FT FROM DER, 911 FT LEFT OF CENTERLINE, 42 FT AGL/867 FT MSL. POLES BEGINNING 2356 FT FROM DER, 913 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/892 FT MSL. SIGN 2435 FT FROM DER, 1032 FT RIGHT OF CENTERLINE, 42 FT AGL/873 FT MSL. TOWER 2766 FT FROM DER, 834 FT LEFT OF CENTERLINE, 54 FT AGL/891 FT MSL.

NOTE: RWY 30R, ROD ON OL GS 1261 FT FROM DER, 591 FT LEFT OF CENTERLINE, 57 FT AGL/854 FT MSL.

NEW BRAUNFELS RGNL

NOTE: RWY 13, POLES BEGINNING 1236 FT FROM DER, 277 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/678 FT MSL. POLES BEGINNING 1238 FT FROM DER, 557 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/677 FT MSL. TREES BEGINNING 1339 FT FROM DER, 211 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/690 FT MSL.

NOTE: RWY 35, AIRPORT VISUAL AID 56 FT FROM DER, 25 FT RIGHT OF CENTERLINE, 3 FT AGL/649 FT MSL.

PLEASANTON MUNI

NOTE: RWY 16, VEHICLE ON ROAD 108 FT FROM DER, 285 FT LEFT OF CENTERLINE, 15 FT AGL/424 FT MSL. FENCE 135 FT FROM DER, 194 FT LEFT OF CENTERLINE, 3 FT AGL/412 FT MSL. FENCE 235 FT FROM DER, 38 FT RIGHT OF CENTERLINE, 3 FT AGL/412 FT MSL. TREES BEGINNING 246 FT FROM DER, 56 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/529 FT MSL. TREES BEGINNING 173 FT FROM DER, 154 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/529 FT MSL.

NOTE: RWY 34, VEHICLE ON ROAD 136 FT FROM DER, LEFT TO RIGHT OF CENTERLINE, UP TO 15 FT AGL/444 FT MSL. FENCE 191 FT FROM DER, 251 FT LEFT OF CENTERLINE, 3 FT AGL/442 FT MSL. TREES BEGINNING 210 FT FROM DER, 51 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/539 FT MSL. TREE 172 FT FROM DER, 74 FT RIGHT OF CENTERLINE, 100 FT AGL 529 FT MSL.

STINSON MUNI

NOTE: RWY 9, VEHICLE ON ROAD 285 FT FROM DER, 380 FT LEFT OF CENTERLINE, 15 FT AGL/584 FT MSL. TREES BEGINNING 1653 FT FROM DER, 435 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/629 FT MSL.

NOTE: RWY 14, VEHICLE ON ROAD 114 FT FROM DER, ON CENTERLINE EXTENDING 373 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/564 FT MSL. TREES BEGINNING 72 FT FROM DER, 79 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/607 FT MSL. TREES BEGINNING 232 FT FROM DER, 54 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/618 FT MSL. TRANSMISSION LINE TOWER 4205 FT FROM DER, 133 FT RIGHT OF CENTERLINE, 119 FT AGL/663 FT MSL.

NOTE: RWY 27, FENCE 41 FT FROM DER, 30 FT RIGHT OF CENTERLINE, 8 FT AGL/584 FT MSL. VEHICLE ON ROAD 108 FT FROM DER, 202 FT RIGHT OF CENTERLINE, 15 FT AGL/584 FT MSL. VEHICLE ON ROAD 123 FT FROM DER, 113 FT RIGHT OF CENTERLINE, 15 FT AGL/596 FT MSL. TREES AND POLES BEGINNING 229 FT FROM DER, 117 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/645 FT MSL. TREES AND POLES BEGINNING 599 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/634 FT MSL. BUILDING 1422 FT FROM DER, 432 FT RIGHT OF CENTERLINE, 40 FT AGL/627 FT MSL. BUILDING 2133 FT FROM DER, 36 FT LEFT OF CENTERLINE, 55 FT AGL/635 FT MSL. TANK BEGINNING 1.32 NM FROM DER, 1338 FT RIGHT OF CENTERLINE, 179 FT AGL/799 FT MSL.

NOTE: RWY 32, FENCE 17 FT FROM DER, 80 FT LEFT OF CENTERLINE, 8 FT AGL/578 FT MSL. VEHICLE ON ROAD 54 FT FROM DER, 199 FT LEFT OF CENTERLINE, 15 FT AGL/586 FT MSL. TREES BEGINNING 164 FT FROM DER, 125 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/639 FT MSL. TREES AND POLES BEGINNING 43 FT FROM DER, 41 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/ 668 FT MSL.

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BOERNE STAGE FIELD

NOTE: RWY 17, MULTIPLE TREES AND LT POLES ALONG TREE LINE BEGINNING 6 FT FROM DER, 128 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/1427 FT MSL. MULTIPLE TREES AND LT POLES ALONG TREE LINE BEGINNING 81 FT FROM DER, 144 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/1409 FT MSL.

NOTE: RWY 35, MULTIPLE TREES AND POLES BEGINNING 204 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/1422 FT MSL. MULTIPLE TREES AND POLES BEGINNING 204 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/1423 FT MSL. HANGAR 80 FT FROM DER, 222 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/1397 FT MSL.

CONTROLLING OBSTACLES:**STINSON MUNI**

RWY 9, 14: 1546 FT MSL TOWER 291938.75N/0982117.63W.

RWY 27: 799 FT MSL TANK 292048.97N/0983016.50W.

RWY 32: 1379 FT MSL TOWER 292509.00N-0982901.00W.

BOERNE STAGE FIELD

RWY 35: 3048 FT MSL TOWER 293639.00N/0985334.00W.

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

REFERENCE MAG VAR: KSAT 8E EPOCH YR: 1980

DME/DME ASSESSMENT: SAT (RNP 2.0)

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

PILOT NAVIGATION AREA:

10NM ARC CENTER ON VAUHN (IF), CW

FROM: POINT A (BEARING 024 DEGREES TO VAUHN)

TO: POINT B (BEARING 114 DEGREES TO VAUHN)

MINIMUM ALTITUDE - 6500

AIRPORTS SERVED:

SAN ANTONIO INTL
NEW BRAUNFELS REGIONAL
CASTROVILLE MUNI
PLEASANTON MUNI
STINSON MUNI
BOERNE STAGE FIELD

SAN ANTONIO, TX
NEW BRAUNFELS, TX
CASTROVILLE, TX
PLEASANTON, TX
SAN ANTONIO, TX
SAN ANTONIO, TX

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.



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FIXES AND/OR NAVAIDS:**REMARKS:**

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

TOP ALTITUDE NOT CHARTED, ATC IS NOT USING "CLIMB VIA..." PHRASEOLOGY ON CLEARANCES.

ATC PURSUING WAIVER WITH AFS FOR AIRPORT MAGVARS BEING OUT OF TOLERANCE.

FLIGHT INSPECTED BY:

BRENT BOOKER

Digitally signed by
JACOB POWERS
Aug 13, 2015

7/15/2015

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

STEPHEN PETERSON

AJV-353

1/14/2015

Digitally signed by
STEPHEN PETERSON
Apr 29, 2015

APPROVED BY:

GEORGE GONZALEZ

Digitally signed by
JACOB POWERS
Aug 13, 2015

AJV-353

COORDINATED WITH:**CHANGES:****REASONS:**

DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code		Superseded Number		Dated	Effective Date	
SETZR		ONE	SETZR1.SETZR		NONE			15 OCT 2015	
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					SETZR1.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					SETZR1.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					SETZR1.SMAKR
SMAKR	294137.12N/0972351.83W	Y	FB	TF	092.77	22.66			
SETZR	294245.63N/0974951.10W	Y		IF					SETZR1.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			

