

**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SUPERSEDED NUMBER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>
SNIDR (RNAV)	TWO	SNIDR2.SNIDR	ONE	01/25/2024	
<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 (SAT):

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

...ON TRACK 079.87 TO CHURN, THEN ON TRACK 085.01 TO SNIDR, THEN ON TRANSITION. MAINTAIN 5000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

BOERNE STAGE FLD (5C1):

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

CASTROVILLE MUNI (CVB):

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

KELLY FLD (SKF):

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

NEW BRAUNFELS NTL (BAZ):

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

PLEASANTON MUNI (PEZ):

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

RANDOLPH AFB (RND):

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

STINSON MUNI (SSF):

TAKEOFF RWY 10: CLIMB ON HEADING 099.53 OR AS ASSIGNED BY ATC, FOR VECTORS TO WRKIT, THENCE...
TAKEOFF RWY 14: CLIMB ON HEADING 142.36 OR AS ASSIGNED BY ATC, FOR VECTORS TO WRKIT, THENCE...
TAKEOFF RWY 28: CLIMB ON HEADING 279.53 OR AS ASSIGNED BY ATC, FOR VECTORS TO WRKIT, THENCE...
TAKEOFF RWY 32: CLIMB ON HEADING 322.36 OR AS ASSIGNED BY ATC, FOR VECTORS TO WRKIT, THENCE...



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SNIDR (RNAV)	TWO	SNIDR2.SNIDR	ONE	01/25/2024	

...ON TRACK 079.87 TO CHURN, THEN ON TRACK 085.01 TO SNIDR. 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>
BLUMS	SNIDR2.BLUMS	SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000	
		SEEDS	WEMAR	TRACK 085.54	12.51	10000	2000	
		WEMAR	FFSSH	TRACK 085.62	11.00	10000	1900	
		FFSSH	WHAEL	TRACK 085.73	15.43	10000	1900	
		WHAEL	BLUMS	TRACK 086.03	39.31	10000	1600	
CAAGE	SNIDR2.CAAGE	SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000	
		SEEDS	WEMAR	TRACK 085.54	12.51	10000	2000	
		WEMAR	FFSSH	TRACK 085.62	11.00	10000	1900	
		FFSSH	WHAEL	TRACK 085.73	15.43	10000	1900	
		WHAEL	CAAGE	TRACK 069.46	63.01	10000	2000	
FFSSH	SNIDR2.FFSSH	SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000	
		SEEDS	WEMAR	TRACK 085.54	12.51	10000	2000	
		WEMAR	FFSSH	TRACK 085.62	11.00	10000	1900	
MOLLR	SNIDR2.MOLLR	SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000	
		SEEDS	WEMAR	TRACK 085.54	12.51	10000	2000	
		WEMAR	FFSSH	TRACK 085.62	11.00	10000	1900	
		FFSSH	WHAEL	TRACK 085.73	15.43	10000	1900	
		WHAEL	BLUMS	TRACK 086.03	39.31	10000	1600	
		BLUMS	BALIO	TRACK 086.56	10.90	10000	2400	
		BALIO	MOLLR	TRACK 086.47	14.00	10000	2400	
SEEDS	SNIDR2.SEEDS	SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000	

QUALITY
23
CHECKED

<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>	
SNIDR (RNAV)		TWO	SNIDR2.SNIDR	ONE	01/25/2024		
WEMAR	SNIDR2.WEMAR	SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000
		SEEDS	WEMAR	TRACK 085.54	12.51	10000	2000
WHAEL	SNIDR2.WHAEL	SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000
		SEEDS	WEMAR	TRACK 085.54	12.51	10000	2000
		WEMAR	FFSSH	TRACK 085.62	11.00	10000	1900
WYLSN	SNIDR2.WYLSN	FFSSH	WHAEL	TRACK 085.73	15.43	10000	1900
		SNIDR	SEEDS	TRACK 085.23	30.34	10000	2000
		SEEDS	WEMAR	TRACK 085.54	12.51	10000	2000
		WEMAR	WHAEL	TRACK 085.62	26.43	10000	1900
		WHAEL	WYLSN	TRACK 053.62	72.74	10000	2000

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.
RADAR REQUIRED.

PROCEDURAL DATA NOTES:

TAKEOFF MINIMUMS:

SAN ANTONIO INTL (SAT):
RWY 4, 13L, 13R, 22, 31L, 31R: STANDARD

BOERNE STAGE FLD (5C1):
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 (CVB):
RWY 16, 34: STANDARD

KELLY FLD (SKF)
RWY 16, 34: STANDARD

NEW BRAUNFELS NTL (BAZ):
RWY 13, 17, 31, 35: STANDARD

PLEASANTON MUNI (PEZ):
RWY 16, 34: STANDARD

RANDOLPH AFB (RND):
RWY 15L, 15R, 33L, 33R: STANDARD



STINSON MUNI (SSF):
RWY 10: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1900
RWY 14: STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1900
RWY 28: 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).

CONTROLLING OBSTACLES:
BOERNE STAGE FIELD: (5C1)
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 (SSF):
RWY 10, 14: 1546 MSL TOWER (48-004668) 291938.75N/0982117.63W (CLIMB GRADIENT, CLIMB GRADIENT TERMINATION ALTITUDE).
RWY 28: 802 MSL TANK (48-169742) 292048.87N/0983016.57W (CEILING), (CLIMB GRADIENT), (CLIMB GRADIENT TERMINATION ALTITUDE), (VISIBILITY).
RWY 32: 1379 MSL TOWER (48-001577) 292509.00N/0982901.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE).

MSA:
SAT: MSA FROM SAT, 4100
5C1: MSA FROM 5C1, 4100
CVB: MSA FROM CVB, 4100
SKF: MSA FROM SKF, 4100
BAZ: MSA FROM BAZ, 3100
PEZ: MSA FROM PEZ, 3100
RND: MSA FROM RND, 3200
SSF: MSA FROM SSF, 4100

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
CHART: TOP ALTITUDE: SAT: 5000; 5C1, CVB, SKF, BAZ, PEZ, RND, SSF: ASSIGNED BY ATC.
AIRPORT MV: SAT (P) 4E/2020, 5C1 5E/2010, CVB 4E/2020, SKF 4E/2020, BAZ 8E/1975, PEZ 6E/2000, RND 5E/2010, SSF E3/2025
CHART: MINIMUM CROSSING ALTITUDE AT WRKIT-5000.
DME/DME ASSESSMENT: SAT (RNP 2.0).

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
SAT	SAN ANTONIO	TX
5C1	SAN ANTONIO	TX
CVB	CASTROVILLE	TX
SKF	SAN ANTONIO	TX
BAZ	NEW BRAUNFELS	TX
PEZ	PLEASANTON	TX



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SNIDR (RNAV)	TWO	SNIDR2.SNIDR	ONE	01/25/2024	
RND		UNIVERSAL CITY			TX
SSF		SAN ANTONIO			TX

COMMUNICATIONS:

SAN ANTONIO INTL (SAT): CHART: ATIS, GND CON, CLNC DEL, ATCT
BOERNE STAGE FIELD (5C1): CHART: ATIS, CLNC DEL
CASTROVILLE MUNI (CVB): CHART: ATIS, CLNC DEL
KELLY FLD (SKF): CHART: ATIS, GND CON, ATCT
NEW BRAUNFELS NTL (BAZ): CHART: ATIS, ATCT, GND CON, CLNC DEL
PLEASANTON MUNI (PEZ): CHART: CLNC DEL
RANDOLPH AFB (RND): CHART: ATIS, ATCT, GND CON, CLNC DEL
STINSON MUNI (SSF): CHART: ATIS, GND CON, CLNC DEL, ATCT

FIXES AND/OR NAVAIDS:

REMARKS:

ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
VEGETATION HEIGHT: 75FT - BASED ON SAT AND FPT.
MEA - 10000 BASED ON DME/DME COVERAGE FROM ESV'S AND ATC REQUEST.

FLIGHT INSPECTED BY

SIGNATURE

OFFICE

DATE

DEVELOPED BY

SIGNATURE

Digitally signed by

OFFICE

DATE

RICHARD CAMPBELL

RICHARD E CAMPBELL

AJV-A423

01/28/2025

APPROVED BY

Feb 13, 2025

SIGNATURE

OFFICE

DATE

TITLE

ALLAN WILL

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:

1. DP DEPARTURE ROUTE DESCRIPTION: ADDED EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE - IAW 8260.46J, FIGURE E-1.
2. SSF RUNWAY CHANGED FROM 9/27 TO 10/28 - SSF MAG VAR UPDATED TO 3.0E
3. SSF RUNWAY HEADINGS CHANGED - RWY 10: FROM 094.53 TO 099.53, RWY 14: FROM 137.36 TO 142.36, RWY 28: FROM 274.53 TO 279.53, RWY 32: FROM 317.36 TO 322.36 - MAG VAR UPDATE.
4. PBN REQUIREMENTS: CHANGED FROM RNAV 1 - GPS TO RNAV 1 - DME/DME/IRU OR GPS - DME SCREENS AND APPROVED ESVS PROVIDE DME/DEME/IRU SOLUTIONS.
5. EQUIPMENT REQUIREMENT NOTES: CHANGED FROM RADAR REQUIRED TO RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT AND RADAR REQUIRED - DME SCREENS AND APPROVED ESVS PROVIDE DME/DEME/IRU SOLUTIONS.
6. ADDITIONAL FLIGHT DATA: MAG VAR CHANGED FOR SSF FROM 8E/1980 TO 03E/2025.
7. ADDITIONAL FLIGHT DATA: CHANGED DME ASSESSMENT FROM UNSAT TO SAT (RNP 1.0).
8. ALL LOCATION IDENTIFIERS REMOVED K'S FROM BEGINNING OF IDENTIFIER.
9. COMMUNICATIONS: ADDED BOERNE STAGE FIELD (5C1) AND CASTROVILLE MUNI (CVB).
10. REMARKS: ADDED VEGETATION HEIGHT.



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

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SNIDR (RNAV)		TWO		SNIDR2.SNIDR		ONE		01/25/2024	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
WRKIT	293746.04N/0981444.91W	Y	-	IF	-	-	AT/ABOVE 5000		
CHURN	293902.39N/0980102.90W	Y	FB	TF	083.87	12.01			
SNIDR	293912.06N/0974948.15W	Y	FB	TF	089.01	09.80			
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.BLUMS
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			
WEMAR	293937.15N/0970037.45W	Y	FB	TF	089.54	12.51			
FFSSH	293940.97N/0964759.82W	Y	FB	TF	089.62	11.00			
WHAEL	293944.14N/0963017.06W	Y	FB	TF	089.73	15.43			
BLUMS	293935.15N/0954510.16W	Y	FB	TF	090.03	39.31			
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.CAAGE
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			
WEMAR	293937.15N/0970037.45W	Y	FB	TF	089.54	12.51			
FFSSH	293940.97N/0964759.82W	Y	FB	TF	089.62	11.00			
WHAEL	293944.14N/0963017.06W	Y	FB	TF	089.73	15.43			
CAAGE	295724.76N/0952045.25W	Y	FB	TF	073.46	63.01			
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.FFSSH
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			
WEMAR	293937.15N/0970037.45W	Y	FB	TF	089.54	12.51			
FFSSH	293940.97N/0964759.82W	Y	FB	TF	089.62	11.00			

QUALITY
23
CHECKED

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SNIDR (RNAV)		TWO		SNIDR2.SNIDR		ONE		01/25/2024	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.MOLLR
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			
WEMAR	293937.15N/0970037.45W	Y	FB	TF	089.54	12.51			
FFSSH	293940.97N/0964759.82W	Y	FB	TF	089.62	11.00			
WHAEL	293944.14N/0963017.06W	Y	FB	TF	089.73	15.43			
BLUMS	293935.15N/0954510.16W	Y	FB	TF	090.03	39.31			
BALIO	293928.17N/0953239.89W	Y	FB	TF	090.56	10.90			
MOLLR	293920.23N/0951635.83W	Y	FB	TF	090.47	14.00			
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.SEEDS
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.WEMAR
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			
WEMAR	293937.15N/0970037.45W	Y	FB	TF	089.54	12.51			
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.WHAEL
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			
WEMAR	293937.15N/0970037.45W	Y	FB	TF	089.54	12.51			
FFSSH	293940.97N/0964759.82W	Y	FB	TF	089.62	11.00			
WHAEL	293944.14N/0963017.06W	Y	FB	TF	089.73	15.43			
SNIDR	293912.06N/0974948.15W	Y	-	IF	-	-			SNIDR2.WYLSN
SEEDS	293931.94N/0971458.66W	Y	FB	TF	089.23	30.34			

QUALITY
23
CHECKED

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SNIDR (RNAV)		TWO		SNIDR2.SNIDR		ONE		01/25/2024	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
WEMAR	293937.15N/0970037.45W	Y	FB	TF	089.54	12.51			
WHAEL	293944.14N/0963017.06W	Y	FB	TF	089.62	26.43			
WYLSN	301828.03N/0951919.07W	Y	FB	TF	057.62	72.74			

