

**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SUPERSEDED NUMBER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>
ALISS (RNAV)	SEVEN	ALISS7.ALISS	SIX	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 TREVA, THENCE...
TAKEOFF RWY 13L: CLIMB ON HEADING 127.63 OR AS ASSIGNED BY ATC, FOR VECTORS TO TREVA, THENCE...
TAKEOFF RWY 13R: CLIMB ON HEADING 127.60 OR AS ASSIGNED BY ATC, FOR VECTORS TO TREVA, THENCE...
TAKEOFF RWY 22: CLIMB ON HEADING 216.79 OR AS ASSIGNED BY ATC, FOR VECTORS TO TREVA, THENCE...
TAKEOFF RWY 31L: CLIMB ON HEADING 307.61 OR AS ASSIGNED BY ATC, FOR VECTORS TO TREVA, THENCE...
TAKEOFF RWY 31R: CLIMB ON HEADING 307.64 OR AS ASSIGNED BY ATC, FOR VECTORS TO TREVA, THENCE...

...ON TRACK 305.10 TO TATAR, THEN ON TRACK 305.15 TO ALISS. 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 TREVA, THENCE...
TAKEOFF RWY 35: CLIMB ON HEADING 349.01 OR AS ASSIGNED BY ATC, FOR VECTORS TO TREVA, THENCE...

CASTROVILLE MUNI (CVB):

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

KELLY FLD (KSKF):

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

NEW BRAUNFELS NTL (BAZ):

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

PLEASANTON MUNI (PEZ):

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

RANDOLPH AFB (RND):

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

STINSON MUNI (SSF):

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



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ALISS (RNAV)	SEVEN	ALISS7.ALISS	SIX	01/25/2024	

...ON TRACK 305.10 TO TATAR, THEN ON TRACK 305.15 TO ALISS. MAINTAIN ATC ASSIGNED ALTITUDE. 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>
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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)



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ALISS (RNAV)	SEVEN	ALISS7.ALISS	SIX	01/25/2024	
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).					
<u>MSA:</u>					
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					
<u>LOST COMMUNICATIONS PROCEDURES:</u>					
<u>ADDITIONAL FLIGHT DATA:</u>					
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 03E/2025.					
CHART: MINIMUM CROSSING ALTITUDE AT TREVA-5000.					
DME/DME ASSESSMENT: SAT (RNP 2.0).					
<u>AIRPORTS SERVED:</u>					
<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>			
SAT	SAN ANTONIO	TX			
5C1	SAN ANTONIO	TX			
CVB	CASTROVILLE	TX			
SKF	SAN ANTONIO	TX			
BAZ	NEW BRAUNFELS	TX			
PEZ	PLEASANTON	TX			
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.
ATC APPROVAL TO APPLY 45 DEGREE INTERCEPT AT TREVA 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 KPEZ DEPARTURE SEGMENT TREVA TO TATAR.
VEGETATION HEIGHT: 75FT - BASED ON SAT AND FPT.

FLIGHT INSPECTED BY	SIGNATURE	OFFICE	DATE	
DEVELOPED BY	SIGNATURE	OFFICE	DATE	
RICHARD CAMPBELL	<i>Digitally signed by</i> RICHARD E CAMPBELL	AV-A423	12/13/2024	
	Feb 12, 2025			
APPROVED BY	SIGNATURE	OFFICE	DATE	TITLE
ALLAN WILL		AJV-A423		MANAGER

REQUIRED EFFECTIVE DATE

COORDINATED WITH:

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

- CHANGES - REASONS:
1. DP ROUTE DESCRIPTION : ADDED EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE - IAW 8260.46 EX. 8260-15B PG E-2.
 2. KSSF RUNWAY CHANGED FROM 9/27 TO 10/28 - KSSF MAG VAR UPDATED TO 3.0E
 3. KSSF 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 - KSSF MAG VAR UPDATED TO 3.0E.
 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.
 5. ADDITIONAL FLIGHT DATA: MAG VAR CHANGED FOR KSSF FROM 8E/1980 TO 03E/2025.
 6. ADDITIONAL FLIGHT DATA CHANGED DME ASSESSMENT FROM UNSAT TO SAT (RNP 1.0).
 7. ALL LOCATION IDENTIFIERS REMOVED K'S FROM BEGINNING OF IDENTIFIER.
 8. COMMUNICATIONS: ADDED BOERNE STAGE FIELD (5C1) AND CASTROVILLE MUNI (CVB).
 9. REMARKS: ADDED VEGETATION HEIGHT.



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ALISS (RNAV)						SEVEN	ALISS7.ALISS	SIX	01/25/2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
TREVA	294655.06N/0983914.10W	Y	-	IF	-	-	AT/ABOVE 5000			
TATAR	295313.51N/0984808.85W	Y	FP	TF	309.10	09.98				
ALISS	300646.67N/0990719.62W	Y	FB	TF	309.15	21.45				

