

**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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ALISS	SIX	ALISS6.ALISS	FIVE	03/02/2017	25 JAN 2024
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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.

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 (KCVB):

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 (KBAZ):

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 (KPEZ):

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 (KRND):

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 (KSSF):

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



...ON TRACK 305.10 TO TATAR, THEN ON TRACK 305.15 TO ALISS. 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
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PROCEDURAL DATA NOTES:

PBN REQUIREMENTS NOTES:

RNAV 1 - 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).

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).



NFDD 210

11/01/2023

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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ALISS	SIX	ALISS6.ALISS	FIVE	03/02/2017	25 JAN 2024

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 TREVA-5000.

DME/DME ASSESSMENT: UNSAT.

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
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:

QUALITY
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CHECKED

FAA Form 8260-15B (12/21) Supersedes Previous Edition

Electronic Version

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<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	SIX	ALISS6.ALISS	FIVE	03/02/2017	25 JAN 2024

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.

FLIGHT INSPECTED BY*Digitally signed by*

JAMES HAWLEY

MICHAEL GARRITY

Aug 11, 2023

OFFICE

FPO

DATE

08/07/2023

DEVELOPED BY*Digitally signed by*

PHILLIP BRANDENBURG

PHILLIP BRANDENBURG

Apr 25, 2023

OFFICE

AJV-A423

DATE

02/28/2023

APPROVED BY*Digitally signed by*

ALLAN WILL

MICHAEL GARRITY

Aug 11, 2023

OFFICE

AJV-A423

DATE**TITLE**

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. ADDED 5C1, KCVB, KSKF, KBAZ, KPEZ, KRND AND ASSOCIATED DATA TO REQUIRED BLOCKS - ATC/FPT REQUEST.
2. REMOVED PRODECURAL DATA NOTES "DME/DME/IRU OR GPS REQUIRED" AND "RNAV 1", ADDED PBN REQUIREMENTS NOTE "RNAV 1-GPS" - PER 8260.58B. DME/DME ASSESSMENT UNSAT.
3. TAKEOFF OBSTACLE NOTES REMOVED, NOW STATES SEE FORM 8260-15A TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - PER 8260.46J.
4. ENROUTE TRANSITIONS REMOVED - ATC/FPT REQUEST.
5. ALISS RELOCATED 14.78 NM SE, NAME RETAINED - ATC/FPT REQUEST.
6. REMOVED LEJON FROM KSAT "THENCE" DP ROUTE DESCRIPTION AND "EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" VERBIAGE - ATC/FPT REQUEST.
7. CHANGED KSSF DP ROUTE DESCRIPTION (NOW ALL OTHER AIRPORTS) FROM "...ON TRACK 305.10 TO TATAR, THEN ON TRACK 305.15 TO LEJON, THEN ON TRACK 303.70 TO ALISS, THEN ON (TRANSITION). MAINTAIN 5000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" TO READ "...ON TRACK 305.10 TO TATAR, THEN ON TRACK 305.15 TO ALISS. MAINTAIN ATC ASSIGNED ALTITUDE." - ATC/FPT REQUEST. TOP ALTITUDE CRITERIA.
8. DP ROUTE DESCRIPTION VERBIAGE CHANGED FROM "CLIMB HEADING" TO "CLIMB ON HEADING" AND "EXPECT RADAR VECTORS" TO "FOR VECTORS" - PER 8260.46J.
9. ADDED MSA VALUES FOR SERVED AIRPORTS - PER 8260.46J AND 8260.3E.
10. CHANGED KSSF TAKEOFF MINIMUMS FROM RWY 9: STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 1900 TO STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1900 - REVISED OBSTACLE DATA.
11. CHANGED KSSF TAKEOFF MINIMUMS FROM RWY 14: STANDARD TO STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1900 - NEW EVALUATION IN TARGETS.
12. CHANGED KSSF TAKEOFF MINIMUMS FROM RWY 27: 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 221 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1700 FEET PRIOR TO DER, TO READ 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 - NEW CONTROLLING OBSTACLES, VIS PER 8260.19I.
13. CHANGED KSSF TAKEOFF MINIMUMS FROM RWY 32: STANDARD TO STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1700 - UPDATED OBSTACLE EVALUATION IN TARGETS.
14. ADDED KSSF RWY 14/32 CONTROLLING OBSTACLES TO CONTROLLING OBSTACLES BLOCK - PER UPDATED OBSTACLES.
15. REMOVED REMARK "STINSON MUNI: ATC REQUESTED NO TOP ALTITUDE" - NO LONGER APPLIES.
16. ADDED TO REMARKS, 45 DEGREE INTERCEPT INFORMATION - IAW 8260-58B, 5-6-2-D.
17. ADDED TO REMARKS, MEMO WAIVER INFORMATION - EXPLANATORY, PER 8260.19I.
18. ADDED TO REMARKS, ENVIRONMENTAL REVIEW INFORMATION - EXPLANATORY, PER 8260.19I.
19. REMOVED PILOT NAVIGATION AREA DATA FROM ADDITIONAL FLIGHT DATA - NO LONGER APPLIES.



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>
ALISS		SIX	ALISS6.ALISS		FIVE	03/02/2017	25 JAN 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>REMARKS</u>
TREVA	294655.06N/0983914.10W	Y	-	IF	-	-	AT/ABOVE 5000
TATAR	295313.51N/0984808.85W	Y	FB	TF	309.10	9.98	
ALISS	300646.67N/0990719.62W	Y	FB	TF	309.15	21.45	

QUALITY
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CHECKED