

**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SUPERSEDED NUMBER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>
BOWIE	EIGHT	BOWIE8.BOWIE	SEVEN	03/02/2017	08/07/2025

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
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THIS IS A CORRECTED COPY OF THIS PROCEDURE PREVIOUSLY PUBLISHED IN NFDD #117.

DP ROUTE DESCRIPTION:

DEPARTING SAN ANTONIO INTL (KSAT):

TAKEOFF RWY 4, 13L, 13R, 22, 31L, 31R: CLIMB ON ASSIGNED HEADING FOR VECTORS TO SAT VORTAC. THEN ON TRANSITION ROUTE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE. MAINTAIN 5000.

DEPARTING STINSON MUNI (KSSF):

TAKEOFF RWY 10: CLIMB ON HEADING 99.53 OR AS ASSIGNED BY ATC FOR VECTORS TO SAT VORTAC, THENCE...

TAKEOFF RWY 14: CLIMB ON HEADING 142.36 OR AS ASSIGNED BY ATC FOR VECTORS TO SAT VORTAC, THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 279.53 OR AS ASSIGNED BY ATC FOR VECTORS TO SAT VORTAC, THENCE...

TAKEOFF RWY 32: CLIMB ON HEADING 322.36 OR AS ASSIGNED BY ATC FOR VECTORS TO SAT VORTAC, THENCE...

...ON TRANSITION/ROUTE. 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>
CORPUS CHRISTI	BOWIE8.CRP	SAT VORTAC	YENNS	160.00 (SAT R-160)	35.24	3000	2600	
		YENNS	SLENA	160.00 (SAT R-160)	32.05	3000	1900	
		SLENA	SKIDS	124.70 (CRP R-305)	29.27	3000	1600	
		SKIDS	CRP VORTAC	124.70 (CRP R-305)	26.00	1900	1500	
LAREDO	BOWIE8.LRD	SAT VORTAC	MILET	190.00 (SAT R-190)	57.46	4000	2600	
		MILET	LRD VORTAC	194.56 (LRD R-015)	81.80	14500	2000	

PBN REQUIREMENT NOTES:**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

DME REQUIRED

PROCEDURAL DATA NOTES:**TAKEOFF MINIMUMS:**

SAN ANTONIO INTL (KSAT):

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



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BOWIE	EIGHT	BOWIE8.BOWIE	SEVEN	03/02/2017	08/07/2025

STINSON MUNI (KSSF):

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 FT PRIOR TO DER.

RWY 32: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1700.

TAKEOFF OBSTACLES NOTES:

SAN ANTONIO INTL:

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

STINSON MUNI:

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

CONTROLLING OBSTACLES:

STINSON MUNI (KSSF):

RWY 10: 1546 FT MSL TOWER (48-004668) 291938.75N/0982117.63W

RWY 14: 1546 FT MSL TOWER (48-004668) 291938.75N/0982117.63W

RWY 28: 802 FT MSL TANK (48-005287) 292048.87N/0983016.57W

RWY 32: 1379 FT MSL TOWER (48-001577) 292509.00N/0982901.00W

MSA:

KSAT: MSA FROM SAT VORTAC 225-315 4100, 315-225 3300

KSSF: MSA FROM SSF VOR 3100

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

CHART: V163 ON CORPUS CHRISTI TRANSITION AND V17 ON LAREDO TRANSITION TO MILET.

CHART: COT R-040 AND COT R-075.

SAN ANTONIO INTL: CHART TOP ALTITUDE: 5000

AIRPORT MV: SAT (P) 4E/2020, SSF 3E/2025

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KSAT	SAN ANTONIO	TX
KSSF	SAN ANTONIO	TX

COMMUNICATIONS:

SAN ANTONIO INTL: CHART: ATIS, GND CON, ASOS, CLNC DEL, ATCT

STINSON MUNI: CHART: ATIS, GND CON, ASOS, CLNC DEL, ATCT

FIXES AND/OR NAVAIDS:

COT VORTAC, SOMER

REMARKS:

WAIVER ATTAINED FOR ATC VECTORS UNDER MVA AND ATC ISSUING A RANGE OF INITIAL HEADINGS WITH A MAINTAINED ALTITUDE LOWER THAN THE UNRESTRICTED CLIMB.

STINSON MUNI: NO TOP ALTITUDE REQUESTED BY ATC.

DO NOT CHART MOCA: FROM SAT VORTAC TO YENNS, SKIDS TO CRP VORTAC

KSAT: 75 FT VEGETATION USED PER FPT.

KSSF: 70 FT VEGETATION USED PER FPT.



NFDD 121

06/26/2025

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BOWIE	EIGHT	BOWIE8.BOWIE	SEVEN	03/02/2017	08/07/2025

FLIGHT INSPECTED BY

MARK J ROGERS

SIGNATURE

Digitally signed by
CASEY D HILL
Jun 09, 2025

OFFICE

AJF

DATE

05/28/2025

DEVELOPED BY

ROBERT HAMILTON (ANDRE TUCKER)

Digitally signed by
CASEY D HILL
May 13, 2025

SIGNATURE

OFFICE

AJV-A431

DATE

03/06/2025

APPROVED BY

ROBERT HAMILTON

Digitally signed by
CASEY D HILL
May 13, 2025

SIGNATURE

OFFICE

AJV-A432

DATE

08/07/2025

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

HARD

COORDINATED WITH:

A4A ☒

ALPA ☒

AOPA ☒

APA ☒

HAI ☐

NBAA ☒

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

CHANGES - REASONS:

1. WHOLE PROCEDURE: REMOVED THX VORTAC. - THX VORTAC DECOM.
2. TRANSITION ROUTES: ADDED SLENA AND SKIDS TO CORPUS CHRISTI TRANSITION. - REDESIGN FOR THX DECOM.
3. TRANSITION ROUTES: ADDED ALL MOCA'S. - IAW AFS CLARIFICATION OF DP MOCA MEMO.
4. PROCEDURAL DATA NOTES: REMOVED RADAR REQUIRED. - MOVED TO EQUIPMENT REQUIREMENT NOTES.
5. TAKEOFF MINS: CHANGED KSSF FROM "RWY 9: STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 1900" TO "RWY 10: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1900". - RUNWAY RENUMBERED DUE TO STINSON MUNI KSSF AIRPORT MAGVAR CHANGED FROM 8E TO 3E AND MATCH RNAV DEPARTURES.
6. TAKEOFF MINS: CHANGED KSSF FROM "RWY 14: STANDARD" TO "RWY 14: STANDARD WITH MINIMUM CLIMB OF 220 FT/NM TO 1900". - MATCH RNAV DEPARTURES.
7. TAKEOFF MINS: CHANGED KSSF 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 "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 FT PRIOR TO DER.". - RUNWAY RENUMBERED DUE TO STINSON MUNI KSSF AIRPORT MAGVAR CHANGED FROM 8E TO 3E AND MATCH RNAV DEPARTURES.
8. TAKEOFF MINS: CHANGED KSSF FROM "RWY 32: STANDARD" TO "RWY 32: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 1700." - MATCH RNAV DEPARTURES.
9. TAKEOFF OBSTACLE NOTES: UPDATED ALL TAKEOFF OBSTACLE NOTES TO SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP). - IAW 8260.46J.
10. FIXES AND/OR NAVAIDS: ADDED FIX SOMER. - ATC REQUESTED.
11. REMARKS: ADDED DO NOT CHART MOCA: FROM SAT VORTAC TO YENNS, SKIDS TO CRP VORTAC. - IAW AFS CLARIFICATION OF DP MOCA MEMO.
12. MSA: ADDED KSAT AND KSSF MSAS: IAW 8260.46J.
13. EQUIPMENT REQUIREMENT NOTES: ADDED RADAR REQUIRED AND DME REQUIRED. - IAW 8260.46J AND REMOVED THX CROSSING RADIAL FROM MILET FOR THX DECOM.
14. COMMUNICATIONS: REMOVED DEP CON FROM KSAT AND KSSF. - IAW 8260.46J.

5/13/2025 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/06/2025:

1. REMOVED THE WORK "RADAR" FROM KSAT/KSSF DP ROUTE DESCRIPTION.

6/23/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 5/13/2025

1. CHANGED FIX NAME SELNA TO SLENA - SPELLING ERROR.

