

**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SUPERSEDED NUMBER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>
FLAME	FIVE	FLAME5.FLAME	FOUR	11/27/2025	

TYPE:

OBSTACLE
 COPTER
 SID
 SPECIAL
 RNAV

DP ROUTE DESCRIPTION:

TAKEOFF RWY 2C: CLIMB TO HEADING 020.98 TO INTERCEPT COURSE 051.72 TO CROSS SHWIT BETWEEN 4000 AND 7000, THEN ON TRACK 109.93 TO CROSS KKAYS BETWEEN 5000 AND 7000, THEN ON TRACK 185.16 TO CROSS TBUGG AT OR ABOVE 10000, THEN ON TRACK 219.92 TO CROSS FLAME AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 2L: CLIMB ON HEADING 020.65 TO INTERCEPT COURSE 056.48 TO CROSS SHWIT BETWEEN 4000 AND 7000, THEN ON TRACK 109.93 TO CROSS KKAYS BETWEEN 5000 AND 7000, THEN ON TRACK 185.16 TO CROSS TBUGG AT OR ABOVE 10000, THEN ON TRACK 219.92 TO CROSS FLAME AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 2R: CLIMB ON HEADING 020.99 TO INTERCEPT COURSE 050.02 TO CROSS SHWIT BETWEEN 4000 AND 7000, THEN ON TRACK 109.93 TO CROSS KKAYS BETWEEN 5000 AND 7000, THEN ON TRACK 185.16 TO CROSS TBUGG AT OR ABOVE 10000, THEN ON TRACK 219.92 TO CROSS FLAME AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 13: CLIMB ON HEADING 136.30 TO 2500 FOR VECTORS TO CROSS FLAME AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 20C: CLIMB ON HEADING 200.99 TO 1099, THEN DIRECT DIXII AT OR ABOVE 5000, THEN ON TRACK 186.29 TO CROSS FLAME AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 20L: CLIMB ON HEADING 200.99 TO 1099, THEN DIRECT DIXII AT OR ABOVE 5000, THEN ON TRACK 186.29 TO CROSS FLAME AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 20R: CLIMB ON HEADING 200.65 TO 1099, THEN DIRECT DIXII AT OR ABOVE 5000, THEN ON TRACK 186.29 TO CROSS FLAME AT OR ABOVE 12000, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 316.31 TO 3000 FOR VECTORS TO CROSS FLAME AT OR ABOVE 12000, THENCE...

...ON TRANSITION. MAINTAIN 15000. 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>
GENDE	FLAME5.GENDE	FLAME	GENDE	TRACK 186.15	44.44	16700	2600	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY.

TAKEOFF MINIMUMS:

RWY 13: STANDARD.
RWY 2L, 2C, 2R, 20L, 20C, 20R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1099.
RWY 31: STANDARD WITH MINIMUM CLIMB OF 250 FT/NM TO 3000.

TAKEOFF OBSTACLE NOTES:

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

CONTROLLING OBSTACLES:

RWY 31: 2049 FT MSL TOWER 361550.00N/0864739.00W.

MSA:

BNA, 3100

LOST COMMUNICATION PROCEDURES:



DP NAME
FLAME

NUMBER
FIVE

DP COMPUTER CODE
FLAME5.FLAME

SUPERSEDED NUMBER
FOUR

DATED
11/27/2025

ACTUAL EFFECTIVE DATE

ADDITIONAL FLIGHT DATA:

AIRPORT MV: BNA 3W/2010.
CHART: TOP ALTITUDE: 15000.
DME/DME ASSESSMENT: SAT (RNP 2.0).
CHART: MINIMUM CROSSING ALTITUDE AT FLAME-12000.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
BNA	NASHVILLE	TN

COMMUNICATIONS:

CHART ATIS, CLNC DEL, GND CON, TOWER, CPDLC

FIXES AND/OR NAVAIDS:

REMARKS:

- 100 FT MAXIMUM VEGETATION HEIGHT UTILIZED PER FPT.
- LNAV ENGAGEMENT CLIMB GRADIENTS UTILIZED FOR EARLY TURNS FOR OPERATIONAL EFFICIENCY AND SAFETY; BNA IS A HIGH IMPACT AIRPORT.
- BNA TRACON CONFIRMED THEY DO NOT VECTOR AIRCRAFT BELOW THE MVA; RWY 13/31 SINGLE HEADING OBSTACLE EVALUATION IS TO GET AIRCRAFT TO THE MVA.
- RWY 31 OBSTACLE CG IS 240 FT/NM TO 2600; 250 FT/NM TO 3000 UTILIZED TO GET AIRCRAFT TO THE MVA 3000 WITHIN 10 NM OF THE RWY 31 DER.
- ALL CLIMB GRADIENTS TO MEET ATC CROSSING ALTITUDE RESTRICTIONS ARE LESS THAN 500 FT/NM.
- MEA BASED ON LOWEST DME/DME COVERAGE.
- ABBREVIATED AMENDMENT.
- ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION.

FLIGHT INSPECTED BY

CHRISTOPHER R VANDEVEER

Digitally signed by

RAKE MCGRAW

Apr 01, 2026

OFFICE

AJF

DATE

03/11/2026

DEVELOPED BY

RAKE MCGRAW (JUDITH TUTTLE)

Digitally signed by

RAKE MCGRAW

Apr 01, 2026

OFFICE

AJV-A431

DATE

02/13/2026

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Apr 01, 2026

OFFICE

AJV-A422

DATE

06/04/2026

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZME, ZID, BNA ATCT, BNA APP CON, BNA AMGR.

CHANGES - REASONS:

- DP ROUTE DESCRIPTION: RWY 2C/2L/2R CHANGED FROM "CROSS SHWIT AT OR ABOVE 4000" TO "CROSS SHWIT BETWEEN 4000 AND 7000" - PER ATC REQUEST TO MITIGATE TCAS ALERTS FOR ARRIVAL TRAFFIC AT BNA, CLEARS NOTAM 6/2607.
- DP ROUTE DESCRIPTION: RWY 13 CHANGED FROM "CLIMB ON HEADING 136.30 TO 2500, THEN ON HEADING 136.30 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS FLAME AT OR ABOVE 12000, THENCE..." TO "CLIMB ON HEADING 136.30 TO 2500 FOR VECTORS TO CROSS FLAME AT OR ABOVE 12000, THENCE..." - UPDATED RADAR VECTOR VA TO VM LEG VERBIAGE IAW 8260.46K.
- DP ROUTE DESCRIPTION: RWY 31 CHANGED FROM "CLIMB ON HEADING 316.31 TO 3000, THEN ON HEADING 316.31 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS FLAME AT OR ABOVE 12000, THENCE..." TO "CLIMB ON HEADING 316.31 TO 3000 FOR VECTORS TO CROSS FLAME AT OR ABOVE 12000, THENCE..." - UPDATED RADAR VECTOR VA TO VM LEG VERBIAGE IAW 8260.46K.
- ADDITIONAL FLIGHT DATA: ADDED CHART: MINIMUM CROSSING ALTITUDE AT FLAME - 12000 - MCA NOTE REQUIRED FOR RADAR VECTOR RWYS 13/31, IAW 8260.46K.
- REMARKS: REMOVED "MSA CONTROLLING OBSTACLE: 2049 FT MSL TOWER (47-002263) 360250.42N/0864948.93W; BEARING 241.04/ DISTANCE 8.72 NM" - DOCUMENTED IN IFP DEPARTURES.
- REMARKS: ADDED "ABBREVIATED AMENDMENT" - IAW 8260.46K.
- REMARKS: ADDED "ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION" - IAW 8260.46K.

QUALITY
CHECKED
42

DP NAME
FLAME

NUMBER
FIVE

DP COMPUTER CODE
FLAME5.FLAME

SUPERSEDED NUMBER
FOUR

DATED
11/27/2025

ACTUAL EFFECTIVE DATE

QUALITY
42
CHECKED

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

<u>DP NAME</u> FLAME		<u>NUMBER</u> FIVE	<u>DP COMPUTER CODE</u> FLAME5.FLAME	<u>SUPERSEDED NUMBER</u> FOUR	<u>DATED</u> 11/27/2025	<u>ACTUAL EFFECTIVE DATE</u>			
<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>
RW02C (AER)	360611.99N/0864116.66W	N	-	-	-	-			
-	360827.49N/0864022.43W	-	-	VI	017.98	2.37			CG 500 FT/NM TO 1099
SHWIT	361337.67N/0863307.08W	Y	FB	CF	048.72	7.82	4000B7000		
KKAYS	361149.32N/0862548.81W	Y	FB	TF	106.93	6.18	5000B7000		
TBUGG	355431.16N/0862636.99W	Y	FB	TF	182.16	17.29	AT/ABOVE 10000		
FLAME	353249.95N/0864631.70W	Y	FB	TF	216.92	27.05	AT/ABOVE 12000		
RW02L (AER)	360703.63N/0864111.31W	N	-	-	-	-			
-	360918.45N/0864018.41W	-	-	VI	017.65	2.35			CG 500 FT/NM TO 1099
SHWIT	361337.67N/0863307.08W	Y	FB	CF	053.48	7.24	4000B7000		
KKAYS	361149.32N/0862548.81W	Y	FB	TF	106.93	6.18	5000B7000		
TBUGG	355431.16N/0862636.99W	Y	FB	TF	182.16	17.29	AT/ABOVE 10000		
FLAME	353249.95N/0864631.70W	Y	FB	TF	216.92	27.05	AT/ABOVE 12000		
RW02R (AER)	360645.77N/0864003.51W	N	-	-	-	-			
-	360904.90N/0863907.81W	-	-	VI	017.99	2.43			CG 500 FT/NM TO 1099
SHWIT	361337.67N/0863307.08W	Y	FB	CF	047.02	6.66	4000B7000		
KKAYS	361149.32N/0862548.81W	Y	FB	TF	106.93	6.18	5000B7000		
TBUGG	355431.16N/0862636.99W	Y	FB	TF	182.16	17.29	AT/ABOVE 10000		
FLAME	353249.95N/0864631.70W	Y	FB	TF	216.92	27.05	AT/ABOVE 12000		
RW13 (AER)*	360823.17N/0864136.18W*	N	-	-	-	-			*DISPL THLD (800 FT)
2500 MSL	-	-	-	VA	133.30	-	AT/ABOVE 2500		
-	-	-	-	VM	133.30	-			
RW20C (AER)	360727.24N/0864046.55W	N	-	-	-	-			
1099 MSL	-	-	-	VA	197.99	-	AT/ABOVE 1099		CG 500 FT/NM TO 1099
DIXII	355644.40N/0864450.83W	Y	FB	DF	-	-	AT/ABOVE 5000		
FLAME	353249.95N/0864631.70W	Y	FB	TF	183.29	23.91	AT/ABOVE 12000		
RW20L (AER)	360801.01N/0863933.40W	N	-	-	-	-			

QUALITY
42
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1099 MSL	-	-	-	VA	197.99	-	AT/ABOVE 1099	CG 500 FT/NM TO 1099
DIXII	355644.40N/0864450.83W	Y	FB	DF	-	-	AT/ABOVE 5000	
FLAME	353249.95N/0864631.70W	Y	FB	TF	183.29	23.91	AT/ABOVE 12000	
RW20R (AER)	360816.23N/0864042.83W	N	-	-	-	-		
1099 MSL	-	-	-	VA	197.65	-	AT/ABOVE 1099	CG 500 FT/NM TO 1099
DIXII	355644.40N/0864450.83W	Y	FB	DF	-	-	AT/ABOVE 5000	
FLAME	353249.95N/0864631.70W	Y	FB	TF	183.29	23.91	AT/ABOVE 12000	
RW31 (AER)*	360718.81N/0864012.01W*	N	-	-	-	-		*DISPL THLD (741 FT)
3000 MSL	-	-	-	VA	313.31	-	AT/ABOVE 3000	CG 250 FT/NM TO 3000
-	-	-	-	VM	313.31	-		
FLAME	353249.95N/0864631.70W	Y	-	IF	-	-	AT/ABOVE 12000	FLAME5.GENDE
GENDE	344823.43N/0864929.90W	Y	FB	TF	183.15	44.44		

