

**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SUPERSEDED NUMBER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>
FIXET	FIVE	FIXET5.FIXET	FOUR	07/11/2024	

<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 checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL:

TAKEOFF RWY 10: CLIMB ON HEADING 105.20 TO 644, THEN DIRECT JWALL, THEN RIGHT TURN DIRECT BEWEE, THEN ON TRACK 207.18 TO CROSS OHSSS AT OR ABOVE 11000, THENCE...

TAKEOFF RWY 15L: CLIMB ON HEADING 155.23 TO 644, THEN DIRECT GAGLR, THEN ON TRACK 149.27 TO BEWEE, THEN ON TRACK 207.18 TO CROSS OHSSS AT OR ABOVE 11000, THENCE...

TAKEOFF RWY 15R: CLIMB ON HEADING 155.20 TO 644, THEN DIRECT KEMMP, THEN ON TRACK 144.80 TO BEWEE, THEN ON TRACK 207.18 TO CROSS OHSSS AT OR ABOVE 11000, THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 285.22 TO 644, THEN DIRECT BOSLY TO CROSS AT OR ABOVE 700 AND AT OR BELOW 230 KIAS, THEN LEFT TURN DIRECT SUGGS TO CROSS AT OR BELOW 7000, THEN ON TRACK 141.44 TO CROSS STABL AT OR BELOW 13000, THEN ON TRACK 203.34 TO CROSS OHSSS AT OR ABOVE 11000, THENCE...

TAKEOFF RWY 33L: CLIMB ON HEADING 335.21 TO 644, THEN LEFT TURN DIRECT SUGGS TO CROSS AT OR BELOW 7000, THEN ON TRACK 141.44 TO CROSS STABL AT OR BELOW 13000, THEN ON TRACK 203.34 TO CROSS OHSSS AT OR ABOVE 11000, THENCE...

TAKEOFF RWY 33R: CLIMB ON HEADING 335.24 TO 644, THEN LEFT TURN DIRECT SUGGS TO CROSS AT OR BELOW 7000, THEN ON TRACK 141.44 TO CROSS STABL AT OR BELOW 13000, THEN ON TRACK 203.34 TO CROSS OHSSS AT OR ABOVE 11000, THENCE...

...ON TRACK 212.08 TO CROSS CONLE AT OR BELOW 14000, THEN ON TRACK 266.67 TO FIXET, THEN ON ASSIGNED TRANSITION. MAINTAIN 14000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 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>
FLASK	FIXET5.FLASK	FIXET	CLTCH	TRACK 268.76	40.24	9000	2800	
		CLTCH	KERRK	TRACK 245.90	28.20	15000	3500	
		KERRK	TEEMS	TRACK 243.94	48.01	16000	6300	
		TEEMS	FLASK	TRACK 244.34	67.00	17000	6500	
RRSIN	FIXET5.RRSIN	FIXET	JDUBB	TRACK 248.39	32.45	9000	1800	
		JDUBB	TYPNZ	TRACK 231.26	19.94	9000	1900	
		TYPNZ	SCORN	TRACK 231.09	45.24	13000	2300	
		SCORN	RRSIN	TRACK 230.50	39.87	13000	3100	
GLANC	FIXET5.GLANC	FIXET	SCRAM	TRACK 260.02	36.76	9000	1900	
		SCRAM	DANOO	TRACK 241.48	27.88	10000	4100	
		DANOO	WALCE	TRACK 242.00	33.42	10000	4500	



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FIXET		FIVE	FIXET5.FIXET	FOUR	07/11/2024	
	WALCE		GLANC	TRACK 227.67	20.99	10000 4500
MAULS	FIXET5.MAULS	FIXET	CLTCH	TRACK 268.76	40.24	9000 2800
	CLTCH		KERRK	TRACK 245.90	28.20	15000 3500
	KERRK		MAULS	TRACK 259.54	47.83	17000 5900
OTTTO	FIXET5.OTTTO	FIXET	VERRY	TRACK 314.03	23.72	9000 2600
	VERRY		OTTTO	TRACK 286.00	33.42	9000 5200
RAMAY	FIXET5.RAMAY	FIXET	VERRY	TRACK 314.03	23.72	9000 2600
	VERRY		RAMAY	TRACK 296.39	35.00	9000 4600
MELTN	FIXET5.MELTN	FIXET	JDUBB	TRACK 248.39	32.45	9000 1800
	JDUBB		CASLY	TRACK 225.20	17.80	9000 1900
	CASLY		MELTN	TRACK 225.07	61.44	9000 2100

PBN REQUIREMENT NOTES:

RNAV 1-DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

NOTE: DO NOT FILE - TO BE ASSIGNED BY ATC

TAKEOFF MINIMUMS:

RWY 10, 15L, 15R, 28, 33L, 33R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 644.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

MSA:

MSA FROM KBWI 2600

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORT MV: BWI 11W/2000

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART SPEED ICON: MAXIMUM SPEED 230 KIAS AT BOSLY

BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL - CHART: TOP ALTITUDE: 14000.



DP NAME FIXET	NUMBER FIVE	DP COMPUTER CODE FIXET5.FIXET	SUPERSEDED NUMBER FOUR	DATED 07/11/2024	ACTUAL EFFECTIVE DATE
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AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KBWI	BALTIMORE	MD

COMMUNICATIONS:

CHART: ATIS, CLCN DEL, GND CON, TOWER, ASOS

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT.

KBWI, ALL RWYS LNAV ENGAGEMENT OF 500 FT/NM CLIMB GRADIENT REQUIRED FOR EARLY TURN TO ACCOMMODATE AIRSPACE CONSTRAINTS AND NOISE ABATEMENT REQUIREMENTS.

MEAS WERE DEVELOPED BY ATC DURING FULL WORKGROUP PROCEDURE DESIGN MEETINGS AND COORDINATED WITH ATC AND THE MARYLAND AVIATION AUTHORITY TO COMPLY WITH ENVIRONMENTAL FACTORS. ATC REQUESTS NO CHANGE TO CURRENT MEAS WHERE APPLICABLE.

WAIVER TO FAA ORDER 8260.58C PARAGRAPH 1-2-5.C.(3), MAXIMUM BANK ANGLE 16 DEGREES APPLIED FOR SEGMENTS FIXET TO VERRY IN OTTTO AND RAMAY TRANSITIONS.

FLIGHT INSPECTED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (A.JF-17) MEMO DATED 07/07/2021, SUBJECT:GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

SIGNATURE

Digitally signed by
ROBERT G HAMILTON
Nov 25, 2024

OFFICE

DATE

DEVELOPED BY

JOHN BRUNO

SIGNATURE

Digitally signed by
JOHN F BRUNO
Nov 21, 2024

OFFICE

AJV-A433

DATE

10/09/2024

APPROVED BY

JOHN BORDY

SIGNATURE

Digitally signed by
ROBERT G HAMILTON

OFFICE

AJV-A33

DATE

04/17/2025

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

Nov 25, 2024

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:**ZDC, POTOMAC DEP CON, BWI ATCT, FDK ATCT, ESN ATCT, MTN ATCT, AMGR(S).

CHANGES - REASONS:

- ADDED PROCEDURAL DATA NOTE: JET AIRCRAFT ONLY - ATC REQUEST.



**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>				
FIXET	FIVE	FIXET5.FIXET	FOUR	07/11/2024					
<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>
RW10 (AER)*	391028.69N/0764115.66W*	N	-	-	-	-			*DISPL THLD (550 FT)
644 MSL	-	-	-	VA	094.20	-	AT/ABOVE 644		CG 500 FT PER NM TO 644
JWALL	391014.37N/0763706.68W	Y	FO	DF	-	-			
BEWEE	385929.19N/0762714.23W	Y	FB	DF	-	13.21			RIGHT TURN
OHSSS	385045.56N/0763028.48W	Y	FB	TF	196.18	9.08	AT/ABOVE 11000		
RW15L (AER)	391114.54N/0763948.74W	N	-	-	-	-			
644 MSL	-	-	-	VA	144.23	-	AT/ABOVE 644		CG 500 FT PER NM TO 644
GAGLR	390719.49N/0763611.38W	Y	FB	DF	-	-			
BEWEE	385929.19N/0762714.23W	Y	FB	TF	138.27	10.49			
OHSSS	385045.56N/0763028.48W	Y	FB	TF	196.18	9.08	AT/ABOVE 11000		
RW15R (AER)*	391104.89N/0764052.94W*	N	-	-	-	-			*DISPL THLD (301 FT)
644 MSL	-	-	-	VA	144.20	-	AT/ABOVE 644		CG 500 FT PER NM TO 644
KEMMP	390636.24N/0763644.28W	Y	FB	DF	-	-			
BEWEE	385929.19N/0762714.23W	Y	FB	TF	133.80	10.26			
OHSSS	385045.56N/0763028.48W	Y	FB	TF	196.18	9.08	AT/ABOVE 11000		
RW28 (AER)*	391021.98N/0763918.49W*	N	-	-	-	-			*DISPL THLD (700 FT)
644 MSL	-	-	-	VA	274.22	-	AT/ABOVE 644		CG 500 FT PER NM TO 644
BOSLY	391036.65N/0764331.32W	Y	FO	DF	-	-	AT/ABOVE 700	AT/BELOW 230K	
SUGGS	390224.55N/0763918.37W	Y	FB	DF	-	8.83	AT/BELOW 7000		LEFT TURN

QUALITY
23
CHECKED

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
FIXET		FIVE		FIXET5.FIXET		FOUR		07/11/2024			
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
STABL	385537.07N/0762906.95W	Y	FB	TF	130.44	10.45	AT/BELOW 13000				
OHSSS	385045.56N/0763028.48W	Y	FB	TF	192.34	4.97	AT/ABOVE 11000				
RW33L (AER)*	390955.14N/0763948.33W*	N	-	-	-	-			*DISPL THLD (500 FT)		
644 MSL	-	-	-	VA	324.21	-	AT/ABOVE 644		CG 500 FT PER NM TO 644		
SUGGS	390224.55N/0763918.37W	Y	FB	DF	-	-	AT/BELOW 7000		LEFT TURN		
STABL	385537.07N/0762906.95W	Y	FB	TF	130.44	10.45	AT/BELOW 13000				
OHSSS	385045.56N/0763028.48W	Y	FB	TF	192.34	4.97	AT/ABOVE 11000				
RW33R (AER)	391034.45N/0763911.63W	N	-	-	-	-					
644 MSL	-	-	-	VA	324.24	-	AT/ABOVE 644		CG 500 FT PER NM TO 644		
SUGGS	390224.55N/0763918.37W	Y	FB	DF	-	-	AT/BELOW 7000		LEFT TURN		
STABL	385537.07N/0762906.95W	Y	FB	TF	130.44	10.45	AT/BELOW 13000				
OHSSS	385045.56N/0763028.48W	Y	FB	TF	192.34	4.97	AT/ABOVE 11000				
OHSSS	385045.56N/0763028.48W	Y	-	IF	-	-					
CONLE	384130.26N/0763501.62W	Y	FB	TF	201.08	9.91	AT/BELOW 14000				
FIXET	383534.77N/0770416.32W	Y	FB	TF	255.67	23.67					
FIXET	383534.77N/0770416.32W	Y	-	IF	-	-			FIXET5.FLASK		
CLTCH	382651.62N/0775420.14W	Y	FB	TF	257.76	40.24					
KERRK	381033.77N/0782335.86W	Y	FB	TF	234.90	28.20					
TEEMS	374125.90N/0791151.85W	Y	FB	TF	232.94	48.01					
FLASK	370103.92N/0801858.62W	Y	FB	TF	233.34	67.00					



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FIXET		FIVE		FIXET5.FIXET		FOUR		07/11/2024			
<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>		
FIXET	383534.77N/0770416.32W	Y	-	IF	-	-			FIXET5.RRSIN		
JDUBB	381759.41N/0773859.76W	Y	FB	TF	237.39	32.45					
TYPNZ	380244.18N/0775518.72W	Y	FB	TF	220.26	19.94					
SCORN	372759.80N/0783154.33W	Y	FB	TF	220.09	45.24					
RRSIN	365707.34N/0790332.54W	Y	FB	TF	219.50	39.87					
FIXET	383534.77N/0770416.32W	Y	-	IF	-	-			FIXET5.GLANC		
SCRAM	382216.20N/0774754.77W	Y	FB	TF	249.02	36.76					
DANOO	380427.24N/0781508.96W	Y	FB	TF	230.84	27.88					
WALCE	374319.43N/0784753.20W	Y	FB	TF	231.00	33.42					
GLANC	372627.01N/0790337.65W	Y	FB	TF	216.67	20.99					
FIXET	383534.77N/0770416.32W	Y	-	IF	-	-			FIXET5.MAULS		
CLTCH	382651.62N/0775420.14W	Y	FB	TF	257.76	40.24					
KERRK	381033.77N/0782335.86W	Y	FB	TF	234.90	28.20					
MAULS	375249.36N/0791949.19W	Y	FB	TF	248.54	47.83					
FIXET	383534.77N/0770416.32W	Y	-	IF	-	-			FIXET5.OTTO		
VERRY	384828.51N/0772942.96W	Y	FB	TF	303.03	23.72					
OTTO	385115.81N/0781220.01W	Y	FB	TF	275.00	33.42					
FIXET	383534.77N/0770416.32W	Y	-	IF	-	-			FIXET5.RAMAY		
VERRY	384828.51N/0772942.96W	Y	FB	TF	303.03	23.72					



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FIXET		FIVE	FIXET5.FIXET	FOUR	07/11/2024				
<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>
RAMAY	385738.57N/0781259.01W	Y	FB	TF	285.39	35.00			
FIXET	383534.77N/0770416.32W	Y	-	IF	-	-			FIXET5.MELTN
JDUBB	381759.41N/0773859.76W	Y	FB	TF	237.39	32.45			
CASLY	380314.42N/0775139.73W	Y	FB	TF	214.20	17.80			
MELTN	371209.22N/0783444.33W	Y	FB	TF	214.07	61.44			

