

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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TERPZ	EIGHT	TERPZ8.TERPZ	SEVEN	03/26/2020	11 JUL 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:
BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL
TAKEOFF RWY 10: CLIMB ON HEADING 105.20 TO 644, THEN DIRECT JWALL, THEN RIGHT TURN DIRECT UNSLD AT OR BELOW 9000, THEN ON TRACK 293.05 TO WONCE, THENCE...
TAKEOFF RWY 15L: CLIMB ON HEADING 155.23 TO 644, THEN DIRECT HEDWG, THEN RIGHT TURN DIRECT NOPRO AT OR ABOVE 4000 AT OR BELOW 230 KIAS, THEN ON TRACK 288.68 TO CROSS UNSLD AT OR BELOW 9000, THEN ON TRACK 293.05 TO WONCE, THENCE...
TAKEOFF RWY 15R: CLIMB ON HEADING 155.20 TO 644, THEN DIRECT WARYN, THEN RIGHT TURN DIRECT BOBYJ AT OR ABOVE 4000 AT OR BELOW 230 KIAS, THEN ON TRACK 290.41 TO CROSS FLACO AT OR BELOW 9000, THEN ON TRACK 291.57 TO WONCE, THENCE...
TAKEOFF RWY 28: CLIMB ON HEADING 285.22 TO 644, THEN DIRECT JLENN, THEN ON TRACK 295.11 TO WONCE, THENCE...
TAKEOFF RWY 33L: CLIMB ON HEADING 335.21 TO 644, THEN LEFT TURN DIRECT PCHEM AT OR BELOW 5000, THEN ON TRACK 285.56 TO WONCE, THENCE...
TAKEOFF RWY 33R: CLIMB ON HEADING 335.24 TO 644, THEN LEFT TURN DIRECT PCHEM AT OR BELOW 5000, THEN ON TRACK 285.56 TO WONCE, THENCE...
...THEN ON TRACK 282.16 TO CROSS TERPZ AT OR ABOVE 11000, THEN ON (TRANSITION). MAINTAIN 17000, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL: ALL AIRCRAFT ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI. RWY 15R: 780 FT/NM TO 644 FT MSL.

CARROLL COUNTY RGNL/JACK B POAGE FLD, EASTON/NEWNAM FLD, FREDERICK MUNI, MARTIN STATE, MONTGOMERY COUNTY AIRPARK: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO WONCE, THENCE...

...THEN ON TRACK 282.16 TO CROSS TERPZ AT OR ABOVE 11000, THEN ON ASSIGNED TRANSITION. MAINTAIN 17000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

FREDERICK MUNI:
TAKEOFF RWY 5: CLIMB ON HEADING 048.49 TO 1100 BEFORE TURNING LEFT.
TAKEOFF RWY 12: CLIMB ON HEADING 123.95 TO 900 BEFORE PROCEEDING WESTBOUND.
TAKEOFF RWY 23: CLIMB ON HEADING 228.50 TO 1200 BEFORE TURNING RIGHT.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
CLTCH	TERPZ8.CLTCH	TERPZ	LITME	TRACK 223.91	9.42	3000	1900	LITME AT/ABOVE 14000
		LITME	HIRCK	TRACK 219.67	24.55	4000	2600	
		HIRCK	BUTRZ	TRACK 239.67	18.51	5000	2700	
		BUTRZ	CLTCH	TRACK 238.91	7.05	9000	2800	
FLASK	TERPZ8.FLASK	TERPZ	LITME	TRACK 223.91	9.42	3000	1900	LITME AT/ABOVE 14000
		LITME	HIRCK	TRACK 219.67	24.55	4000	2600	

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TERPZ		EIGHT	TERPZ8.TERPZ	SEVEN	03/26/2020		11 JUL 2024
		HIRCK	BUTRZ	TRACK 239.67	18.51	5000	2700
		BUTRZ	CLTCH	TRACK 238.91	7.05	9000	2800
		CLTCH	KERRK	TRACK 245.90	28.20	15000	3400
		KERRK	TEEMS	TRACK 243.94	48.01	16000	6300
		TEEMS	FLASK	TRACK 244.34	67.00	17000	6500
GLANC	TERPZ8.GLANC	TERPZ	LITME	TRACK 223.91	9.42	3000	1900 LITME AT/ABOVE 14000
		LITME	HIRCK	TRACK 219.67	24.55	4000	2600
		HIRCK	SCRAM	TRACK 224.24	25.75	9000	2500
		SCRAM	DANOO	TRACK 241.48	27.88	10000	4100
		DANOO	WALCE	TRACK 242.00	33.42	15000	4500
		WALCE	GLANC	TRACK 227.67	20.99	15000	4500
MAULS	TERPZ8.MAULS	TERPZ	LITME	TRACK 223.91	9.42	3000	1900 LITME AT/ABOVE 14000
		LITME	HIRCK	TRACK 219.67	24.55	4000	2600
		HIRCK	BUTRZ	TRACK 239.67	18.51	5000	2700
		BUTRZ	CLTCH	TRACK 238.91	7.05	9000	2800
		CLTCH	KERRK	TRACK 245.90	28.20	15000	3400
		KERRK	MAULS	TRACK 259.54	47.83	16000	5900
MELTN	TERPZ8.MELTN	TERPZ	LITME	TRACK 223.91	9.42	3000	1900 LITME AT/ABOVE 14000
		LITME	HIRCK	TRACK 219.67	24.55	4000	2600
		HIRCK	JDUBB	TRACK 206.39	26.79	9000	1800
		JDUBB	CASLY	TRACK 225.20	17.80	9000	1900
		CASLY	MELTN	TRACK 225.07	61.44	9000	2100
RRSIN	TERPZ8.RRSIN	TERPZ	LITME	TRACK 223.91	9.42	3000	1900 LITME AT/ABOVE 14000
		LITME	HIRCK	TRACK 219.67	24.55	4000	2600

QUALITY
26
CHECKED

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TERPZ	EIGHT	TERPZ8.TERPZ	SEVEN	03/26/2020	11 JUL 2024
	HIRCK	JDUBB	TRACK 206.39	26.79	9000 1800
	JDUBB	TYPNZ	TRACK 231.26	19.94	17000 1900
	TYPNZ	SCORN	TRACK 231.09	45.24	17000 2300
	SCORN	RRSIN	TRACK 230.50	39.87	17000 3100

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:**NOTE:** JET AIRCRAFT ONLY.**TAKEOFF MINIMUMS:****BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL****RWY 15R:** STANDARD WITH MINIMUM CLIMB OF 780 FT/NM TO 644.**RWY 10, 15L, 28, 33L, 33R:** STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 644.**CARROLL COUNTY RGNL/JACK B POAGE FLD**

RWY 34: STANDARD.

RWY 16: 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 225 FT/NM TO 1300.

EASTON/NEWNAM FLD

RWY 4, 15, 33: STANDARD.

RWY 22: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 210 FT/NM TO 400.

FREDERICK MUNI

RWY 23: STANDARD.

RWY 5: 400-3 OR STANDARD WITH MINIMUM CLIMB OF 255 FT/NM TO 600.

RWY 12: 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 410 FT/NM TO 2400.

RWY 30: STANDARD WITH MINIMUM CLIMB OF 340 FT/NM TO 2400.

MARTIN STATE

RWY 15: STANDARD.

RWY 33: STANDARD WITH MINIMUM CLIMB OF 215 FT/NM TO 1300.

MONTGOMERY COUNTY AIRPARK

RWY 14, 32: STANDARD.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:**CARROLL COUNTY RGNL/JACK B POAGE FLD**

RWY 16: 1144 FT MSL TOWER 393423.59N/0765815.00W.

EASTON/NEWNAM FLD

RWY 22: 294 FT MSL ANTENNA 384613.92N/0760455.09W (CLIMB GRADIENT/CLIMB-TO ALTITUDE/CEILING), 290 FT MSL TOWER 384616.00N/0760457.00W (VISIBILITY)



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FREDERICK MUNI

RWY 5: 435 FT MSL ELEVATOR 392548.00N/0772123.00W (CLIMB GRADIENT), 528 FT MSL TREE 392557.10N/0772037.30W (CLIMB-TO ALTITUDE), 659 FT MSL TREE 392639.83N/0771925.31W (CEILING/ VISIBILITY).

RWY 12: 555 FT MSL TREE 392501.93N/0772054.90W (CLIMB GRADIENT), 785 FT MSL TREE 392426.16N/0771933.58W (CLIMB-TO ALTITUDE/CEILING), 636 FT MSL TREE 392432.58N/0771911.87W (VISIBILITY).

RWY 30: 1808 FT MSL AAO 392812.00N/0772939.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 5: 1956 FT MSL AAO 392936.00N/0772954.00W

RWY 12: 1956 FT MSL AAO 392936.00N/0772954.00W

RWY 23: 1815 FT MSL AAO 392812.00N/0772942.00W

MARTIN STATE

RWY 33: 175 FT MSL TREE 392043.41N/0762605.51W (CLIMB GRADIENT), 1289 FT MSL TOWER 392504.00N/0763320.00W (CLIMB-TO ALTITUDE).

MSA:

KBWI: MSA FROM KBWI 2600

KDMW: MSA FROM KDMW 3400

KMTN: MSA FROM KMTN 2600

KFDK: MSA FROM KFDK 3400

KESN: MSA FROM KESN 2100

KGAI: MSA FROM KGAI 3300

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

AIRPORT MV: BWI (P) 11W/2000, DMW 11W/2000, MTN 11W/2000, FDK 8W/1980, ESN 10W/1985, GAI 9W/1985

DME/DME ASSESSMENT: SAT (RNP 2.0)

ALL AIRPORTS - CHART: TOP ALTITUDE: 17000.

CHART SPEED ICON: MAXIMUM SPEED 230 KIAS AT NOPRO.

CHART: MINIMUM CROSSING ALTITUDE AT TERPZ 11000.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KBWI	BALTIMORE	MD
KDMW	WESTMINSTER	MD
KMTN	BALTIMORE	MD
KESN	EASTON	MD
KFDK	FREDERICK	MD
KGAI	GAITHERSBURG	MD

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COMMUNICATIONS:

CHART ATIS: BWI, MTN, FDK, ESN
CHART CLNC DEL: BWI, DMW, MTN, FDK, ESN, GAI
CHART GND CON: BWI, MTN, FDK, ESN
CHART TOWER: BWI, MTN, FDK, ESN
CHART AWOS: GAI, DMW
CHART UNICOM: DMW, FDK, ESN, MTN, GAI

FIXES AND/OR NAVAIDS:**REMARKS:**

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
TAKEOFF MINIMUMS RWY 15R CLIMB TO ALTITUDE OF 4000 AT 780 TO 644 FT/NM IS AN ATC REQUEST FOR INBOUND TRAFFIC DECONFLICTION.
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.
KBWI RWY 10, 15L, 28, 33L, 33R LNAV ENGAGEMENT OF 500 FT/NM CLIMB GRADIENT IS PER ATC REQUEST TO ACCOMMODATE AIRSPACE CONSTRAINTS AND NOISE ABATEMENT REQUIREMENTS.
WAIVER FOR RWY 15R 780 FT/NM TO 644 FT MSL REQUESTED NECESSARY FOR SEPARATION FROM OTHER EXISTING PROCEDURES PER ATC.
WAIVER FOR RWY 15L VA-DF OEAS DUE TO OUTSIDE WIND SPIRAL ROLLOUT POINT INSUFFICIENT DISTANCE FROM DF FIX.
WAIVER FOR RWY 33L VA-DF OEAS DUE TO OUTSIDE WIND SPIRAL ROLLOUT POINT INSUFFICIENT DISTANCE FROM DF FIX.
WAIVER FOR RWY 33L BEING NONSTANDARD DUE TO OUTSIDE SPIRAL ROLLOUT POINT TOO CLOSE TO DF FIX, DUE TO MINIMUM 3NM DISTANCE OR DTA REQUIRED BY FIX.
WAIVER FOR RWY 33R BEING NONSTANDARD DUE TO OUTSIDE SPIRAL ROLLOUT POINT TOO CLOSE TO DF FIX, DUE TO MINIMUM 3NM DISTANCE OR DTA REQUIRED BY FIX.
WAIVER TO CHART MCA AT THE IF FOR RADAR VECTORS FOR EACH SATELLITE AIRPORT: KDMW, KGAI, KMTN, KFDK, KESN.
APPROVAL LETTERS
CG CALCULATIONS FOR RWY 15R CG: CG TERMINATION ALTITUDE 644 FT - 129.6 (DER) = 514, 514 FT DIVIDED BY .66 NM SEGMENT= 780 FT/NM CG.
CG CALCULATIONS FOR RWY 15L CG: CG TERMINATION ALTITUDE 644 FT - 114 (DER) = 530, 530 FT DIVIDED BY 1.06 NM SEGMENT = 500 FT/NM CG.
CG CALCULATIONS FOR RWY 28 CG: CG TERMINATION ALTITUDE 11000 FT - 139 (DER) = 10861, 10861 FT DIVIDED BY 21.27 NM SEGMENT = 511 FT/NM CG.

FLIGHT INSPECTED BY

BOB S. PRESSLER

SIGNATURE

Digitally signed by
ALLAN WILL
Apr 30, 2024

OFFICE

FPO

DATE

03/20/2024

DEVELOPED BY

WILLIAM D.MELTON

Digitally signed by **SIGNATURE**

WILLIAM D MELTON
Apr 25, 2024

OFFICE

AJV-A423

DATE

02/20/2024

APPROVED BY

ALLAN WILL

SIGNATURE

Digitally signed by
ALLAN WILL
Apr 30, 2024

OFFICE

AJV-A423

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE**COORDINATED WITH:**

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

CHANGES - REASONS:

1. KBWI ALL RWYS VA CLIMB ALTITUDES CHANGED FROM 667 TO 644 - TO ALIGN WITH REQUESTED 500 FT PER NM CLIMB GRADIENTS.
2. KBWI RWY 10 DP ROUTE DESCRIPTION CHANGED FROM "CLIMB ON HEADING 105.20 TO 667, THEN ON HEADING 105.20, EXPECT RADAR VECTORS TO WONCE, THEN ON TRACK 282.75 TO CROSS TERPZ AT OR ABOVE 11000 THENCE..." TO READ "**TAKEOFF RWY 10:** CLIMB ON HEADING 105.20 TO 644, THEN DIRECT JWALL, THEN RIGHT TURN DIRECT UNSLD AT OR BELOW 9000, THEN ON TRACK 293.05 TO WONCE, THENCE..." - ATC REQUEST.
3. KBWI RWY 15L DP ROUTE DESCRIPTION CHANGED FROM "CLIMB ON HEADING 155.23 TO 667, THEN ON HEADING 155.23, EXPECT RADAR VECTORS TO WONCE, THEN ON TRACK 282.75 TO CROSS TERPZ AT OR ABOVE 11000, THENCE..." TO READ "**TAKEOFF RWY 15L:** CLIMB ON HEADING 155.23 TO 644, THEN DIRECT HEDWG, THEN RIGHT TURN DIRECT NOPRO AT OR ABOVE 4000 AT OR BELOW 230 KIAS, THEN ON TRACK 288.68 TO CROSS UNSLD AT OR BELOW 9000, THEN ON TRACK 293.05 TO WONCE, THENCE..." - ATC REQUEST.
4. KBWI RWY 15R DP ROUTE DESCRIPTION CHANGED FROM "CLIMB ON HEADING 155.20 TO 850, THEN RIGHT TURN DIRECT SARLY, THEN ON TRACK 288.13 TO WONCE, THEN ON TRACK 282.75 TO CROSS TERPZ AT OR ABOVE 11000, THENCE..." TO READ "**TAKEOFF RWY 15R:** CLIMB ON HEADING 155.20 TO 644, THEN DIRECT WARYN, THEN RIGHT TURN DIRECT BOBYJ AT OR ABOVE 4000 AT OR BELOW 230 KIAS, THEN ON TRACK 290.41 TO CROSS FLACO AT OR BELOW 9000 THEN ON TRACK 291.57 TO WONCE, THENCE..." - ATC REQUEST.
5. KBWI RWY 28 DP ROUTE DESCRIPTION, CHANGED FROM "CLIMB ON HEADING 285.22 TO INTERCEPT COURSE 297.25 TO WONCE, THEN ON TRACK 282.75 TO CROSS TERPZ AT OR ABOVE 11000, THENCE..." -TO READ "**TAKEOFF RWY 28:** CLIMB ON HEADING 285.22 TO 644, THEN DIRECT JLENN, THEN ON TRACK 295.11 TO WONCE, THENCE..." - ATC REQUEST.
6. KBWI RWY 33L DP ROUTE DESCRIPTION CHANGED FROM "CLIMB ON HEADING 335.21 TO 667, THEN LEFT TURN DIRECT WONCE, THEN ON TRACK 282.75 TO CROSS TERPZ AT OR ABOVE 11000, THENCE..." TO READ "**TAKEOFF RWY 33L:** CLIMB ON HEADING 335.21 TO 644, THEN LEFT TURN DIRECT PCHEN AT OR BELOW 5000, THEN ON TRACK 285.56 TO WONCE, THENCE..." - ATC REQUEST.
7. KBWI RWY 33R DP ROUTE DESCRIPTION CHANGED FROM "CLIMB ON HEADING 335.23 TO 667, THEN ON HEADING 335.23, EXPECT RADAR VECTORS TO WONCE, THEN ON TRACK 282.75 TO CROSS TERPZ AT OR ABOVE 11000, THENCE..." TO READ "**TAKEOFF RWY 33R:** CLIMB ON HEADING 335.24 TO 644, THEN LEFT TURN DIRECT PCHEN AT OR BELOW 5000, THEN ON TRACK 285.56 TO WONCE, THENCE..." - ATC REQUEST.
8. KBWI TAKEOFF MINIMUMS CHANGED FROM "RWY 10, 15L, 28, 33L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 667. RWY 15R STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 4000. RWY 33R STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 800" TO READ "RWY 15R: STANDARD WITH MINIMUM CLIMB OF 780 FT/NM TO 644. RWY 10, 15L, 28, 33L, 33R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 644 - ATC REQUEST.
9. ADDED BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL: ALL AIRCRAFT ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI. RWY 15R: 780 FT/NM TO 644 FT MSL TO DP ROUTE DESCRIPTION - ATC REQUEST, WAIVER SUBMITTED.
10. ADDED ...THEN ON TRACK 282.16 TO CROSS TERPZ AT OR ABOVE 11000, THEN ON (TRANSITION) MAINTAIN 17000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE TO BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL DP ROUTE DESCRIPTION - ATC REQUEST.
11. ADDED LITME TO TRANSITION ROUTE CROSS ALTITUDE/FIXES - IAW 8260.46J APPENDIX E SEC 1.2.D.(9).
12. KDMW RWY 16 TAKEOFF MINIMUMS CGTA CHANGED FROM 1400 TO 1300 - CLIMB GRADIENT CHANGED FROM 255 TO 225 FT/NM.
13. KESN RWY 22 TAKEOFF MINIMUMS CG/CGTA CHANGED FROM 245 FT PER NM TO 500 TO 210 FT/NM TO 400 - PER REVISED OBSTACLE EVALUATION.
14. KFDK RWY 5 TAKEOFF MINIMUMS CG/CGTA CHANGED FROM STANDARD WITH MINIMUM CLIMB 260 FT PER NM TO 1100 TO 400-3 OR STANDARD WITH MINIMUM CLIMB OF 255 FT/NM TO 600 - PER REVISED OBSTACLE EVALUATION/ATC REQUEST TO MATCH OTHER AIRPORT DP ROUTE DESCRIPTIONS.
15. KFDK RWY 12 TAKEOFF MINIMUMS CGTA CHANGED FROM 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 395 FT PER NM TO 1000 TO 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 410 FT/NM TO 2400 -PER REVISED OBSTACLE EVALUATION/ATC REQUEST TO MATCH OTHER AIRPORT DP ROUTE DESCRIPTIONS.
16. KFDK RWY 30 TAKEOFF MINIMUMS CHANGED FROM STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 900 TO STANDARD WITH MINIMUM CLIMB OF 340 FT/NM TO 2400 - PER REVISED OBSTACLE EVALUATION/ATC REQUEST TO MATCH OTHER AIRPORT DP ROUTE DESCRIPTIONS..
17. KMTN RWY 33 TAKEOFF MINIMUMS CHANGED FROM STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 1700 TO STANDARD WITH MINIMUM CLIMB OF 215 FT/NM TO 1300 - PER REVISED

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OBSTACLE EVALUATION.

18. ADDED CLTCH ENROUTE TRANSITION - ATC/FPT REQUEST.
19. ADDED JWALL TO RWY 10 TRANSITION - ATC/FPT REQUEST.
20. ADDED WARYN TO RWY 15R TRANSITION - ATC/FPT REQUEST.
21. ADDED HEDWG TO RWY 15L TRANSITION - ATC/FPT REQUEST.
- 22 ADDED JLENN TO RWY 28 TRANSITION - ATC/FPT REQUEST.
23. ADDED PCHEN TO RWY 33 L/R TRANSITION - ATC/FPT REQUEST.
24. DELETED JERES ENROUTE TRANSITION - ATC-FPT REQUEST.
25. DELETED MCRAY ENROUTE TRANSITION - ATC/FPT REQUEST.
26. DELETED RAMAY ENROUTE TRANSITION - ATC/FPT REQUEST.
27. DELETED OTTTO ENROUTE TRANSITION -ATC/FPT REQUEST.
28. ADDED NOPRO TO RWY 15L TRANSITION - ATC/FPT REQUEST.
29. ADDED UNSLD TO RWY 10, 15L TRANSITION - ATC/FPT REQUEST.
30. ADDED BOBYJ TO RWY 15R TRANSITION - ATC/FPT REQUEST.
31. ADDED FLACO TO RWY 15R TRANSITION - ATC/FPT REQUEST.
- 32 MOVED WONCE 3.68 NM WEST, POTOMAC TRACON REQUESTS TO RETAIN NAME - ATC/FPT REQUEST.
33. COMBINED DME/DME/IRU OR GPS REQUIRED AND RNAV 1 NOTE TO READ RNAV 1 - DME/DME/IRU OR GPS AND MOVED FROM PROCEDURAL DATA NOTE TO PBN REQUIREMENTS NOTE -IAW 8060.46J PBN REQUIREMENTS NOTE TABLE.
34. CHANGED PROCEDURAL DATA NOTE TURBOJET TRAFFIC ONLY TO JET AIRCRAFT ONLY - ATC REQUEST.
35. MOVED RADAR REQUIRED FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES - IAW 8260.46J APPENDIX E SECTION 1.G.
36. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM **CHART ALL AIRPORTS**: TOP ALTITUDE: RAMAY, OTTTO, MAULS, FLASK, RRSIN, GLANC, MELTN TRANSITIONS: 17000; JERES, MCRAY TRANSITIONS: 16000 TO ALL AIRPORTS - CHART: TOP ALTITUDE 17000 - IAW 8260.46J APPENDIX E SECTION 1.2.M(2)(B).
37. ADDED MSA FROM KBWI 2600, MSA FROM KDMW 3400, MSA FROM KMTN 2600, MSA FROM KFDK 3400, MSA FROM KESN 2100, MSA FROM KGAI 3300 - IAW 8260.46J APPENDIX E SECTION 1.2.K.
38. ADDITIONAL FLIGHT DATA AIRPORT MV CHANGED FROM REFERENCE MV: KBWI 11W/ EPOCH YEAR TO AIRPORT MV: BWI (P) 11W/2000, DMW 11W/2000, MTN 11W/2000, FDK 8W/1980, ESN 10W/1985, GAI 9W/1985 - IAW SID/ODP DOCUMENTATION MEMO.
39. ADDED ADDITIONAL FLIGHT DATA CHART SPEED ICON: MAXIMUM SPEED 230 KIAS AT NOPRO - ATC REQUEST.
40. DELETED RWY 30 FROM KFDK DP ROUTE DESCRIPTION - CG/CGTA OF 340 FT/NM TO 2400 MITIGATES ALL OBSTACLES.
41. ADDED JUSTIFICATION FOR WAIVERS AND APPROVAL LETTERS TO REMARKS.
42. CHANGED KFDK CONTROLLING OBSTACLES FROM **FREDERICK MUNI RWY 5**: 435 FT MSL ELEVATOR 392548.00N/0772123.00W (CLIMB GRADIENT). 859 FT MSL TREE 392719.20N/0771823.90W (CLIMB-TO ALTITUDE). 1935 FT MSL TOWER 392959.64N/0772957.12W. **RWY 12**: 552 FT MSL TREE 392502.70N/0772054.88W (CLIMB GRADIENT). 779 FT MSL TREE 392426.12N/0771933.57W (CLIMB-TO

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ALTITUDE, CEILING). 636 FT MSL TREE 392432.58N/0771911.87W (VISIBILITY). 1949 FT MSL TOWER 392940.56N/0772955.32W. **RWY 30:** 1739 FT MSL AAO 393025.93N/0772814.62W (CLIMB GRADIENT). 655 FT MSL MOBILE CRANE 392625.30N/0772527.41W (CLIMB-TO ALTITUDE). 1949 FT MSL TOWER TO RWY 5: 435 FT MSL ELEVATOR 392548.00N/0772123.00W (CLIMB GRADIENT), 528 FT MSL TREE 392557.10N/0772037.30W (CLIMB-TO ALTITUDE), 659 FT MSL TREE 392639.83N/0771925.13W (CEILING/VISIBILITY). RWY 12: 555 FT MSL TREE 392501.93N/0772054.90W (CLIMB GRADIENT), 785 FT MSL TREE 392426.16N/0771933.58W (CLIMB-TO ALTITUDE/CEILING), 636 FT MSL TREE 392432.58N/0771911.87W (VISIBILITY). RWY 30: 1808 FT MSL AAO 392812.00N/0772939.00W - NEW OBSTACLE EVALUATION.

43. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 5: 1956 FT MSL AAO 392936.00N/0772954.00W, RWY 12: 1956 FT MSL AAO 392936.00N/0772954.00W, RWY 23: 1815 FT MSL AAO 392812.00N/0772942.00W - IAW 8260.46G APPENDIX D SECTION 1 PARA 2.I.(3).

44. DELETED ADDITIONAL FLIGHT DATA: **CHART:** MEA/MOCA FROM WONCE TO TERPZ, 4000/2000 - MEA/MOCA UPDATED.

45. CHANGED ALL MEA DATA TO REFLECT MINIMUM ON ROUTE, NOT ATC OPERATIONAL REQUIREMENTS - IAW 8260.46J PARA 2-1-1.E.(2).(D).

04/25/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/20/2024.

1. CHANGED CLTCH COMPUTER TRANSITION CODE FROM TERPZ8.TERPZ TO TERPZ8.CLTCH - CORRECT ADMINISTRATIVE ERROR.



**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>
TERPZ	EIGHT	TERPZ8.TERPZ	SEVEN	03/26/2020	11 JUL 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>
	BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL		(KBWI)						
RW10 (AER)*	391028.69N/0764115.66W*	N	-	-	-	-			*DISPL THLD (550 FT)
644 MSL	-	-	-	VA	094.20	-	AT/ABOVE 644		CG 500 FT/NM TO 644
JWALL	391014.37N/0763706.68W	Y	FO	DF	-	-			
UNSLD	391128.01N/0764743.89W	Y	FB	DF	-	8.35	AT/BELOW 9000		RIGHT TURN
WONCE	391311.58N/0765810.49W	Y	FB	TF	282.05	8.30			
RW15L (AER)	391114.54N/0763948.74W	N	-	-	-	-			
644 MSL	-	-	-	VA	144.23	-	AT/ABOVE 644		CG 500 FT/NM TO 644
HEDWG	390929.74N/0763810.79W	Y	FO	DF	-	-			
NOPRO	391114.15N/0764531.57W	Y	FB	DF	-	5.97	AT/ABOVE 4000	AT/BELOW 230K	RIGHT TURN
UNSLD	391128.01N/0764743.89W	Y	FB	TF	277.68	1.73	AT/BELOW 9000		
WONCE	391311.58N/0765810.49W	Y	FB	TF	282.05	8.30			
RW15R (AER)*	391104.89N/0764052.94W*	N	-	-	-	-			*DISPL THLD (301 FT)
644 MSL	-	-	-	VA	144.20	-	AT/ABOVE 644		CG 780 FT/NM TO 644
WARYN	390917.03N/0763913.04W	Y	FO	DF	-	-			
BOBYJ	391125.35N/0764535.81W	Y	FB	DF	-	5.40	AT/ABOVE 4000	AT/BELOW 230K	RIGHT TURN
FLACO	391148.27N/0764833.88W	Y	FB	TF	279.41	2.34	AT/BELOW 9000		
WONCE	391311.58N/0765810.49W	Y	FB	TF	280.57	7.60			
RW28 (AER)*	391021.98N/0763918.49W*	N	-	-	-	-			*DISPL THLD (700 FT)
644 MSL	-	-	-	VA	274.22	-	AT/ABOVE 644		CG 500 FT/NM TO 644
JLENN	391041.24N/0764518.19W	Y	FB	DF	-	-			
WONCE	391311.58N/0765810.49W	Y	FB	TF	284.11	10.31			

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TERPZ		EIGHT		TERPZ8.TERPZ		SEVEN		03/262020	11 JUL 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>
RW33L (AER)*	390955.14N/0763948.33W*	N	-	-	-	-			*DISPL THLD (500 FT)
644 MSL	-	-	-	VA	324.21	-	AT/ABOVE 644		CG 500 FT/NM TO 644
PCHEN	391231.65N/0764718.62W	Y	FB	DF	-	-	AT/BELOW 5000		LEFT TURN
WONCE	391311.58N/0765810.49W	Y	FB	TF	274.56	8.47			
RW33R (AER)	391034.45N/0763911.63W	N	-	-	-	-			
644 MSL	-	-	-	VA	324.24	-	AT/ABOVE 644		CG 500 FT/NM TO 644
PCHEN	391231.65N/0764718.62W	Y	FB	DF	-	-	AT/BELOW 5000		LEFT TURN
WONCE	391311.58N/0765810.49W	Y	FB	TF	274.56	8.47			
WONCE	391311.58N/0765810.49W	Y	-	IF	-	-			
TERPZ	391320.71N/0770820.29W	Y	FB	TF	271.16	7.90	AT/ABOVE 11000		
TERPZ	391320.71N/0770820.29W	Y	-	IF	-	-	AT/ABOVE 11000		TERPZ8.CLTCH
LITME	390525.70N/0771454.66W	Y	FB	TF	212.91	9.42	AT/ABOVE 14000		
HIRCK	384351.35N/0772957.70W	Y	FB	TF	208.67	24.55			
BUTRZ	383135.70N/0774740.45W	Y	FB	TF	228.67	18.51			
CLTCH	382651.62N/0775420.14W	Y	FB	TF	227.91	7.05			
TERPZ	391320.71N/0770820.29W	Y	-	IF	-	-	AT/ABOVE 11000		TERPZ8.FLASK
LITME	390525.70N/0771454.66W	Y	FB	TF	212.91	9.42	AT/ABOVE 14000		
HIRCK	384351.35N/0772957.70W	Y	FB	TF	208.67	24.55			
BUTRZ	383135.70N/0774740.45W	Y	FB	TF	228.67	18.51			
CLTCH	382651.62N/0775420.14W	Y	FB	TF	227.91	7.05			
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			
TERPZ	391320.71N/0770820.29W	Y	-	IF	-	-	AT/ABOVE 11000		TERPZ8.GLANC
LITME	390525.70N/0771454.66W	Y	FB	TF	212.91	9.42	AT/ABOVE 14000		

QUALITY
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CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

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TERPZ		EIGHT		TERPZ8.TERPZ		SEVEN		03/26/2020	11 JUL 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>
HIRCK	384351.35N/0772957.70W	Y	FB	TF	208.67	24.55			
SCRAM	382216.20N/0774754.77W	Y	FB	TF	213.24	25.75			
DANOO	380427.24N/0781508.96W	Y	FB	TF	230.48	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			
TERPZ	391320.71N/0770820.29W	Y	-	IF	-	-	AT/ABOVE 11000		TERPZ8.MAULS
LITME	390525.70N/0771454.66W	Y	FB	TF	212.91	9.42	AT/ABOVE 14000		
HIRCK	384351.35N/0772957.70W	Y	FB	TF	208.67	24.55			
BUTRZ	383135.70N/0774740.45W	Y	FB	TF	228.67	18.51			
CLTCH	382651.62N/0775420.14W	Y	FB	TF	227.91	7.05			
KERRK	381033.77N/0782335.86W	Y	FB	TF	234.90	28.20			
MAULS	375249.36N/0791949.19W	Y	FB	TF	248.54	47.83			
TERPZ	391320.71N/0770820.29W	Y	-	IF	-	-	AT/ABOVE 11000		TERPZ8.MELTN
LITME	390525.70N/0771454.66W	Y	FB	TF	212.91	9.42	AT/ABOVE 14000		
HIRCK	384351.35N/0772957.70W	Y	FB	TF	208.67	24.55			
JDUBB	381759.41N/0773859.76W	Y	FB	TF	195.39	26.79			
CASLY	380314.42N/0775139.73W	Y	FB	TF	214.20	17.80			
MELTN	371209.22N/0783444.33W	Y	FB	TF	214.07	61.44			
TERPZ	391320.71N/0770820.29W	Y	-	IF	-	-	AT/ABOVE 11000		TERPZ8.RRSIN
LITME	390525.70N/0771454.66W	Y	FB	TF	212.91	9.42	AT/ABOVE 14000		
HIRCK	384351.35N/0772957.70W	Y	FB	TF	208.67	24.55			
JDUBB	381759.41N/0773859.76W	Y	FB	TF	195.39	26.79			
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			

