

**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SUPERSEDED NUMBER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>
BLZZR	FIVE	BLZZR5.BLZZR	FOUR	10/12/2017	2 DEC 2021

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 4R: CLIMB ON HEADING 034.74 TO 520, THEN DIRECT NHANT, THEN ON TRACK 091.09 TO CROSS HURBE AT OR ABOVE 4000, THENCE...

TAKEOFF RWY 9: CLIMB ON HEADING 091.56 TO 520, THEN DIRECT CLAWW AT OR ABOVE 4000 AND AT OR BELOW 250 KIAS, THENCE ...

TAKEOFF RWY 15R: CLIMB ON HEADING 150.16 TO INTERCEPT COURSE 119.00 TO TASKT, DO NOT EXCEED 210 KIAS UNTIL 520 FT MSL, THENCE ...

TAKEOFF RWY 22L: CLIMB ON HEADING 214.74 TO INTERCEPT COURSE 139.00 TO TJAYY, DO NOT EXCEED 210 KIAS UNTIL 520 FT MSL, THENCE ...

TAKEOFF RWY 22R: CLIMB ON HEADING 214.74 TO INTERCEPT COURSE 143.40 TO TJAYY, DO NOT EXCEED 210 KIAS UNTIL 520 FT MSL, THENCE ...

TAKEOFF RWY 27: CLIMB ON HEADING 271.58 TO INTERCEPT COURSE 234.00 TO KIRAA, THENCE ...

TAKEOFF RWY 33L: CLIMB ON HEADING 330.17 TO INTERCEPT COURSE 313.00 TO TEKKE, THENCE ...

... ON DEPICTED ROUTE TO BLZZR. MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN TEN (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>
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PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: RNAV 1.

NOTE: FOR TURBOJETS ONLY.

NOTE: DEPARTURE HDG/RNAV TRACKS/VECTORS ARE PREDICATED ON AVOIDING NOISE SENSITIVE AREAS. FLIGHT CREW AWARENESS AND COMPLIANCE IS IMPORTANT IN MINIMIZING NOISE IMPACTS ON SURROUNDING COMMUNITIES.

NOTE: RWY 15R, 22L, 22R: DO NOT EXCEED 210 KIAS UNTIL 520 FT MSL.

NOTE: DO NOT EXCEED 250 KIAS UNTIL PASSING BRRRO.

NOTE: DO NOT EXCEED 250 KIAS UNTIL PASSING CLAWW.

NOTE: DO NOT EXCEED 260 KIAS UNTIL PASSING HEWMO.

TAKEOFF MINIMUMS:

RWY 4L, 14, 15L, 32, 33R: NA-ATC.

RWY 4R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

RWY 9: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

RWY 15R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

RWY 22L: 300-1 WITH MINIMUM CLIMB OF 500 FT PER NM TO 520, OR STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520 IF TOWER REPORTS NO TALL VESSELS IN THE DEPARTURE AREA.

RWY 22R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

RWY 27: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 1300.

RWY 33L: STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 520.

QUALITY
5
CHECKED

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TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:**RWY 9:** 211 FT MSL TANK 422204.30N/0705803.73W.**RWY 22L:** 176 FT MSL SHIP RIG 422041.00N/0710053.00W**RWY 22R:** 176 FT MSL SHIP RIG 422051.00N/0710110.00W.**RWY 27:** 720 FT MSL BUILDING 422117.13N/0710323.41W (CLIMB GRADIENT), 876 FT MSL BLDG_TWR 422057.45N/0710430.58W (CLIMB-TO ALTITUDE)**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KBOS 15W EPOCH YEAR: 2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE: 5000.**CHART SPEED ICON:** MAXIMUM SPEED 250 KIAS AT BRRRO.**CHART SPEED ICON:** MAXIMUM SPEED 250 KIAS AT CLAWW.**CHART SPEED ICON:** MAXIMUM SPEED 260 KIAS AT HEWMO.**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
GENERAL EDWARD LAWRENCE LOGAN INTL	KBOS	BOSTON	MA

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

BAF VORTAC, BRRRO, CHWDH, CTR VOR/DME, DEDHM, EXXXX, FENWY, GLLET, HEWMO, JAITE, KENWI, NELIE, ORRRR, SPENO, STEEM, WYMT

REMARKS:**FLIGHT INSPECTED BY**

JEREMY R VIRT

*Digitally signed by***ALLAN WILL**

Aug 30, 2021

OFFICE

FPO

DATE

08/25/2021

DEVELOPED BY

KELLIE BARNES

*Digitally signed by***KELLIE R BARNES**

Jul 21, 2021

OFFICE

AJV-A423

DATE

06/16/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***ALLAN WILL**

Aug 30, 2021

OFFICE

AJV-A420

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☒**ALPA** ☒**AOPA** ☒**APA** ☒**HAI** ☐**NBAA** ☒**OTHER:**ZBW, BOS APP CON, BOS ATCT, AMGR

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CHANGES - REASONS:

1. CHANGED ALL DP ROUTE DESCRIPTIONS FROM "CLIMB HEADING..." TO "CLIMB ON HEADING..." - 8260.46G 2-1-1.G
2. ADDED "AT OR BELOW 250 KIAS" CROSSING RESTRICTION AT CLAWW ON RWY 9 DP ROUTE DESCRIPTION - MITIGATE LEG LENGTH FAILURE
3. CHANGED RWY 15R DP ROUTE DESCRIPTION FROM "CLIMB HEADING 150.16 TO INTERCEPT COURSE 131.00 TO FOXXX, DO NOT EXCEED 210 KIAS UNTIL 520 FT MSL, THENCE..." TO "CLIMB ON HEADING 150.16 TO INTERCEPT COURSE 119.00 TO TASKT, DO NOT EXCEED 210 KIAS UNTIL 520 FT MSL, THENCE ..." FOXXX REPLACED WITH TASKT TO REDUCE ENVIRONMENTAL IMPACT
4. CHANGED CLIMB HEADING ON RWY 33L DP ROUTE DESCRIPTION FROM 330.18 TO 330.17 - CURRENT AIRNAV RWY DATA
5. CHANGED "NOTE: AT/BELOW 250K UNTIL BRRRO" TO "NOTE: DO NOT EXCEED 250 KIAS UNTIL PASSING BRRRO" IN PROCEDURAL DATA NOTES - 8260.46G 2-1-1
6. CHANGED "NOTE: AT/BELOW 290K UNTIL HEWMO" TO "NOTE: DO NOT EXCEED 260 KIAS UNTIL PASSING HEWMO" IN PROCEDURAL DATA NOTES - SPEED CHANGED TO MITIGATE LEG LENGTH FAILURE
7. ADDED "NOTE: DO NOT EXCEED 250 KIAS UNTIL PASSING CLAWW" TO PROCEDURAL DATA NOTES - MITIGATE LEG LENGTH FAILURE
8. REMOVED TAKEOFF OBSTACLE NOTES FOR EACH RUNWAY AND REPLACE WITH "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)" -
9. CHANGED RWY 9 CONTROLLING OBSTACLE FROM "206 FT MSL TANK 422204.30N/0705803.73W" TO "211 FT MSL TANK 422204.30N/0705803.73W" - CURRENT OBSTACLE DATA IN OE-AAA
10. CHANGED RWY 27 CONTROLLING OBSTACLES FROM "639 FT MSL BLDG 422120.28N/0710307.73W. 920 FT MSL BLDG 422050.00N/0710457.00W" TO "720 FT MSL BUILDING 422117.13N/0710332.41W (CLIMB GRADIENT), 876 FT MSL BLDG_TWR 422057.45N/0710430.58W (CLIMB-TO ALTITUDE)" - CURRENT OBSTACLES IDENTIFIED IN EVALUATION
11. REMOVED CONTROLLING OBSTACLES FOR RWY 33L - CURRENT EVALUATION DID NOT IDENTIFY ANY OBSTACLES REQUIRING CG/CGTA
12. ADDED "CHART SPEED ICON: MAXIMUM SPEED 250 KIAS AT CLAWW" TO ADDITIONAL FLIGHT DATA - 8260.46G 2-2-1
13. ADDED KBOS TO AIRPORTS SERVED - 8260.46G APPENDIX E
14. ADDED ALTITUDE RESTRICTION OF "AT OR ABOVE 3000" AT BRRRO - ATC REQUEST; 8260.46G 2-1-1.E
15. ADDED ALTITUDE RESTRICTION OF "AT OR ABOVE 5000" AT HEWMO - ATC REQUEST; 8260.46G 2-1-1.E
16. FENWY COORDS CHANGED FROM 422238.40N/0704340.17W TO 422211.10N/0704306.02W AND TC/DIST CHANGED FROM 101.59/3.88 TO 106.29/04.40 ON 8260-15C RW09 - FENWY MOVED 3769 FT SOUTHEAST TO MITIGATE LEG LENGTH FAILURE
17. GLLET TC/DIST CHANGED FROM 177.85/6.24 TO 181.87/05.79 ON 8260-15C RW09 - FENWY MOVED 3769 FT SOUTHEAST TO MITIGATE LEG LENGTH FAILURE
18. WYMTH COORDS CHANGED FROM 421244.02N/0704937.63W TO 421253.23N/0704920.52W AND TC/DIST FROM 231.84/5.93 TO 231.73/05.67 ON 8260-15C RW09 - WYMTH MOVED 1590 FT NORTHEAST TO MITIGATE LEG LENGTH FAILURE
19. DEDHM TC/DIST CHANGED FROM 259.68/5.53 TO 258.56/05.77 ON RW09 8260-15C - WYMTH MOVED 1590 FT NORTHEAST TO MITIGATE LEG LENGTH FAILURE
20. STEEM COORDS CHANGED FROM 421431.29N/0704932.29W TO 421530.00N/0704841.00W AND TC/DIST FROM 228.87/5.68 TO 232.86/04.57 ON 8260-15C RW04R- STEEM MOVED 1.17 NM NORTHEAST TO MITIGATE LEG LENGTH FAILURE AND TO ALIGN WITH BOSTON OVERFLIGHT NOISE STUDY SHORELINE CROSSING REQUIREMENT
21. DEDHM TC/DIST CHANGED FROM 243.24/6.17 TO 238.57/07.20 ON 8260.15C RW04R - STEEM MOVED 1.17 NM NORTHEAST
22. REMOVED RECOMMENDED NAVAID ENTRIES FROM 8260.15C - NO LONGER REQUIRED PER 8260.46G
23. CHANGED RWY 4R TAKEOFF MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 3600" TO "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520" - CLIMB GRADIENTS TO MEET DME/DME/IRU RECEPTION NO LONGER REQUIRED PER CRITERIA
24. CHANGED RWY 9 TAKEOFF MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 4000" TO "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520" - CLIMB GRADIENTS TO MEET DME/DME/IRU RECEPTION NO LONGER REQUIRED PER CRITERIA
25. REMOVED "ALL CLIMB GRADIENTS ESTABLISHED TO SUPPORT MINIMUM DME/DME/IRU RECEPTION RNAV PRO RUN ALTITUDES EXCEPT RWY 27 WHICH IS FOR OBSTACLES" FROM REMARKS - CLIMB GRADIENTS TO MEET DME/DME/IRU RECEPTION NO LONGER REQUIRED PER CRITERIA



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
BLZZR						FIVE	BLZZR5.BLZZR	FOUR	10/12/2017	2 DEC 2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW04R (AER)*	422114.54N/0710037.27W*	N	-	-	-	-			*DISPL THLD (1155FT)	
520 MSL	-	-	-	VA	019.74	-	AT/ABOVE 520		CG 500 FT PER NM TO 520	
NHANT	422623.24N/0705759.97W	Y	FB	DF	-	-				
HURBE	422738.74N/0705107.04W	Y	FB	TF	076.09	05.25	AT/ABOVE 4000			
ORRRR	422528.48N/0704513.44W	Y	FB	TF	116.41	04.87				
CHWDH	421815.54N/0704346.94W	Y	FB	TF	171.56	07.29				
STEEM	421530.00N/0704841.00W	Y	FB	TF	232.86	04.57				
DEDHM	421144.30N/0705657.03W	Y	FB	TF	238.57	07.20				
BLZZR	421302.39N/0714536.59W	Y	FB	TF	272.33	36.19				
RW09 (AER)	422120.71N/0710046.42W	N	-	-	-	-				
520 MSL	-	-	-	VA	076.56	-	AT/ABOVE 520		CG 500 FT PER NM TO 520	
CLAWW	422325.27N/0704847.67W	Y	FB	DF	-	-	AT/ABOVE 4000	AT/BELOW 250K		
FENWY	422211.10N/0704306.02W	Y	FB	TF	106.29	04.40				
GLLET	421624.05N/0704321.25W	Y	FB	TF	181.87	05.79				
WYMTH	421253.23N/0704920.52W	Y	FB	TF	231.73	05.67				
DEDHM	421144.30N/0705657.03W	Y	FB	TF	258.56	05.77				
BLZZR	421302.39N/0714536.59W	Y	FB	TF	272.33	36.19				
RW15R (AER)*	422221.20N/0710056.13W*	N	-	-	-	-			*DISPL THLD (882 FT)	
-	422027.31N/0705823.48W	-	-	VI	135.16	02.68		AT/BELOW 210K	CG 500 FT PER NM TO 520	
TASKT	421917.76N/0705206.54W	Y	FB	CF	104.00	04.80				

QUALITY

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CLERK

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BLZZR		FIVE		BLZZR5.BLZZR		FOUR		10/12/2017	2 DEC 2021
<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>
BRRRO	422000.78N/0704805.48W	Y	FB	TF	076.45	03.07	AT/ABOVE 3000	AT/BELOW 250K	
JAITE	421812.90N/0704249.48W	Y	FB	TF	114.67	04.30			
HEWMO	421116.32N/0704400.45W	Y	FB	TF	187.22	07.00	AT/ABOVE 5000	AT/BELOW 260K	
KENWI	420934.89N/0705626.99W	Y	FB	TF	259.72	09.40			
BLZZR	421302.39N/0714536.59W	Y	FB	TF	275.68	36.71			
RW22L (AER)*	422225.69N/0710002.85W*	N	-	-	-	-	*DISPL THLD (1199 FT)		
-	422004.84N/0710110.97W	-	-	VI	199.74	02.49	AT/BELOW 210K	CG 500 FT PER NM TO 520	
TJAYY	421818.19N/0705737.75W	Y	FB	CF	124.00	03.18			
BRRRO	422000.78N/0704805.48W	Y	FB	TF	076.37	07.28	AT/ABOVE 3000	AT/BELOW 250K	
JAITE	421812.90N/0704249.48W	Y	FB	TF	114.67	04.30			
HEWMO	421116.32N/0704400.45W	Y	FB	TF	187.22	07.00	AT/ABOVE 5000	AT/BELOW 260K	
KENWI	420934.89N/0705626.99W	Y	FB	TF	259.72	09.40			
BLZZR	421302.39N/0714536.59W	Y	FB	TF	275.68	36.71			
RW22R (AER)*	422234.26N/0710019.93W*	N	-	-	-	-	*DISPL THLD (819 FT)		
-	422029.09N/0710120.47W	-	-	VI	199.74	02.22	AT/BELOW 210K	CG 500 FT PER NM TO 520	
TJAYY	421818.19N/0705737.75W	Y	FB	CF	128.40	03.51			
BRRRO	422000.78N/0704805.48W	Y	FB	TF	076.37	07.28	AT/ABOVE 3000	AT/BELOW 250K	
JAITE	421812.90N/0704249.48W	Y	FB	TF	114.67	04.30			
HEWMO	421116.32N/0704400.45W	Y	FB	TF	187.22	07.00	AT/ABOVE 5000	AT/BELOW 260K	
KENWI	420934.89N/0705626.99W	Y	FB	TF	259.72	09.40			
BLZZR	421302.39N/0714536.59W	Y	FB	TF	275.68	36.71			

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BLZZR		FIVE		BLZZR5.BLZZR		FOUR		10/12/2017	2 DEC 2021
<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>
RW27 (AER)	422136.78N/0705915.73W	N	-	-	-	-			
-	422058.83N/0710249.81W	-	-	VI	256.58	02.72			CG 500 FT PER NM TO 1300
KIRAA	421631.48N/0710741.78W	Y	FB	CF	219.00	05.73			
BLZZR	421302.39N/0714536.59W	Y	FB	TF	263.16	28.37			
RW33L (AER)	422116.74N/0705929.71W	N	-	-	-	-			
-	422317.98N/0710212.31W	-	-	VI	315.17	02.85			CG 500 FT PER NM TO 520
TEKKK	422445.85N/0710555.09W	Y	FB	CF	298.00	03.12			
EXXXX	422037.08N/0712104.57W	Y	FB	TF	249.84	11.97			
BLZZR	421302.39N/0714536.59W	Y	FB	TF	247.55	19.72			

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