

**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SUPERSEDED NUMBER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>
TBIRD	SEVEN	TBIRD7.TBIRD	SIX	10/31/2024	22 JAN 2026

<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:

TAKEOFF RWY 10L: CLIMB ON HEADING 098.78 TO INTERCEPT COURSE 069.75 TO SMGLR, THEN ON TRACK 014.90 TO SONNC, THEN ON TRACK 295.01 TO CROSS AHABB AT OR ABOVE 6000, THEN ON TRACK 295.05 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

TAKEOFF RWY 14: CLIMB ON HEADING 141.17 TO INTERCEPT COURSE 083.00 TO CRRMN, THEN ON TRACK 016.88 TO SMGLR, THEN ON TRACK 014.90 TO SONNC, THEN ON TRACK 295.01 TO CROSS AHABB AT OR ABOVE 6000, THEN ON TRACK 295.05 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

TAKEOFF RWY 28R: CLIMB ON HEADING 278.79 TO 520, THEN DIRECT CRYER, CROSS CRYER AT OR ABOVE 2500, THEN ON TRACK 307.93 TO CROSS UTLEY AT OR ABOVE 4000, THEN ON TRACK 341.67 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

TAKEOFF RWY 32: CLIMB ON HEADING 321.18 TO 520, THEN DIRECT BAYBE, THEN ON TRACK 319.00 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

...ON TRACK 344.94 TO TBIRD, THEN ON ASSIGNED TRANSITION, MAINTAIN 11000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ALL AIRCRAFT: CLIMB GRADIENTS: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO DEPARTURE. RUNWAYS 10L, 14, 28R, 32: 500 FT/NM TO 520.

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>
CHEFS	TBIRD7.CHEFS	TBIRD	CHEFS	TRACK 315.56	20.19	14000	1600	
KPASA	TBIRD7.KPASA	TBIRD	SIGME	TRACK 343.64	10.34	14000	1400	
		SIGME	PANNT	TRACK 341.62	13.38	16000	1500	
		PANNT	MATLK	TRACK 324.63	24.53	FL180	1500	
		MATLK	HAHNA	TRACK 330.38	22.70	FL180	2700	
		HAHNA	KPASA	TRACK 279.92	37.58	FL180	2200	
MATLK	TBIRD7.MATLK	TBIRD	SIGME	TRACK 343.64	10.34	14000	1400	
		SIGME	PANNT	TRACK 341.62	13.38	16000	1500	
		PANNT	MATLK	TRACK 324.63	24.53	FL180	1500	



<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TBIRD		SEVEN	TBIRD7.TBIRD	SIX	10/31/2024	22 JAN 2026
SHRKS	TBIRD7.SHRKS	TBIRD	SIGME	TRACK 343.64	10.34	14000 1400
		SIGME	PANNT	TRACK 341.62	13.38	16000 1500
		PANNT	MATLK	TRACK 324.63	24.53	FL180 1500
		MATLK	WAKKO	TRACK 334.46	36.21	FL180 2700
		WAKKO	MJAMS	TRACK 341.71	38.43	FL180 1700
		MJAMS	SHRKS	TRACK 001.42	101.84	FL180 1800
SMELZ	TBIRD7.SMELZ	TBIRD	SIGME	TRACK 343.64	10.34	14000 1400
		SIGME	PANNT	TRACK 341.62	13.38	16000 1500
		PANNT	MATLK	TRACK 324.63	24.53	FL180 1500
		MATLK	HAHNA	TRACK 330.38	22.70	FL180 2700
		HAHNA	SMELZ	TRACK 272.53	48.33	FL180 2200
VIYAP	TBIRD7.VIYAP	TBIRD	SIGME	TRACK 343.64	10.34	14000 1400
		SIGME	PANNT	TRACK 341.62	13.38	16000 1500
		PANNT	MATLK	TRACK 324.63	24.53	FL180 1500
		MATLK	ONEWY	TRACK 356.24	32.67	FL180 3000
		ONEWY	ZERBO	TRACK 345.14	35.29	FL180 2800
		ZERBO	DUCEN	TRACK 002.01	21.62	FL180 2800
		DUCEN	FEMON	TRACK 003.05	70.88	FL180 2300
		FEMON	VIYAP	TRACK 003.38	47.55	FL180 1600

PBN REQUIREMENT NOTES:
RNAV 1 - DME/DME/IRU OR GPS.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TBIRD	SEVEN	TBIRD7.TBIRD	SIX	10/31/2024	22 JAN 2026

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY.

NOTE: CHEFS TRANSITION FOR USE BY MCO OR DAB AREA ARRIVALS.

NOTE: MATLK TRANSITION FOR USE BY AIRCRAFT FILED TO JACKSONVILLE AREA AIRPORTS ONLY, OR AS ASSIGNED BY ATC.

TAKEOFF MINIMUMS:

RWY 10L, 14, 28R, 32: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

MSA:

PBI, 2600

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

AIRPORT MV: PBI 6W/2010

CHART: TOP ALTITUDE: 11000

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
PBI	WEST PALM BEACH	FL

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

REMARKS:

MAXIMUM 75 FT VEGETATION HEIGHT APPLIED PER FPT.

APPROVAL LETTER: NON-STANDARD CHART NOTE FOR MATLK AND CHEFS TRANSITIONS.

WAIVER FOR RWY 32 NON-STANDARD CLIMB GRADIENT TO BAGGR.

WAIVER FOR NON-STANDARD CLIMB GRADIENT FOR LNAV ENGAGEMENT FOR NOISE ABATEMENT.

MINIMUM ENROUTE ALTITUDES BASED ON PROCEDURE EXTENDING MORE THAN 250 NM AND OPERATING ABOVE FL180 PER ATC.

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TBIRD	SEVEN	TBIRD7.TBIRD	SIX	10/31/2024	22 JAN 2026

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
MATTHEW OLSTAD	CASIMIR L TABAKA	CASIMIR L TABAKA Nov 24, 2025	AJF	11/20/2025

<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
JAMIE KUNKLER		CASIMIR L TABAKA Nov 24, 2025	AJV-A432	10/16/2025

<u>APPROVED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR L. TABAKA		CASIMIR L TABAKA Nov 24, 2025	AJV-A432		MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMA, PBI APP CON, PBI ATCT, AMGR

CHANGES - REASONS:

1. SMUGLR MOVED 0.87 NM SOUTHWEST AND DP ROUTE DESCRIPTION CHANGED FROM:

TAKEOFF RWY 10L: CLIMB ON HEADING 098.78 TO 520, THEN DIRECT TO CROSS CRRMN AT OR ABOVE 2500, THEN ON TRACK 016.77 TO CROSS SMGLR AT OR ABOVE 4000, THEN ON TRACK 014.51 TO SONNC, THEN ON TRACK 295.01 TO CROSS AHABB AT OR ABOVE 6000, THEN ON TRACK 295.05 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

TAKEOFF RWY 14: CLIMB ON HEADING 141.17 TO INTERCEPT COURSE 088.12 TO CROSS CRRMN AT OR ABOVE 2500, THEN ON TRACK 016.77 TO CROSS SMGLR AT OR ABOVE 4000, THEN ON TRACK 014.51 TO SONNC, THEN ON TRACK 295.01 TO CROSS AHABB AT OR ABOVE 6000, THEN ON TRACK 295.05 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

TO:

TAKEOFF RWY 10L: CLIMB ON HEADING 098.78 TO INTERCEPT COURSE 069.75 TO SMGLR, THEN ON TRACK 014.90 TO SONNC, THEN ON TRACK 295.01 TO CROSS AHABB AT OR ABOVE 6000, THEN ON TRACK 295.05 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

TAKEOFF RWY 14: CLIMB ON HEADING 141.17 TO INTERCEPT COURSE 083.00 TO CRRMN, THEN ON TRACK 016.88 TO SMGLR, THEN ON TRACK 014.90 TO SONNC, THEN ON TRACK 295.01 TO CROSS AHABB AT OR ABOVE 6000, THEN ON TRACK 295.05 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ... - PER ATC/FPT TO DECONFLICT WITH NEW PROHIBITED AREA.

2. DP ROUTE DESCRIPTION CHANGED FROM:

TAKEOFF RWY 28R: CLIMB ON HEADING 278.79 TO 520, THEN DIRECT TO CROSS CRYER AT OR ABOVE 2500, THEN ON TRACK 307.93 TO CROSS UTLEY AT OR ABOVE 4000, THEN ON TRACK 341.67 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ...

TO:

TAKEOFF RWY 28R: CLIMB ON HEADING 278.79 TO 520, THEN DIRECT CRYER, CROSS CRYER AT OR ABOVE 2500, THEN ON TRACK 307.93 TO CROSS UTLEY AT OR ABOVE 4000, THEN ON TRACK 341.67 TO CROSS BAGGR AT OR ABOVE 10000, THENCE ... - PHRASEOLOGY PER PRIOR AFS PRECEDENT.

3. DP ROUTE DESCRIPTION THENCE INSTRUCTIONS CHANGED FROM:

...ON TRACK 344.94 TO TBIRD, THEN ON ASSIGNED TRANSITION, MAINTAIN 11000. EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

TO:

...ON TRACK 344.94 TO TBIRD, THEN ON ASSIGNED TRANSITION, MAINTAIN 11000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE. - IAW 8260.46K APPENDIX E SECTION 1-2.C.

4. DP ROUTE DESCRIPTION ADDED ADVISORY," ALL AIRCRAFT: CLIMB GRADIENTS: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO DEPARTURE. RUNWAYS 10L, 14, 28R, 32: 500 FT/NM TO 520." - FOR CONTINUITY WITH WAIVER.

5. EQUIPMENT REQUIREMENTS NOTE CHANGED FROM "RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT" TO "RADAR REQUIRED." - IAW 8260.46K 2-1-5.J(2)(B).

6. PROCEDURAL DATA NOTES: REMOVED "NOTE: ALL AIRCRAFT: CLIMB GRADIENTS: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO DEPARTURE." - FOR CONTINUITY WITH WAIVER.

7. MSA CHANGED FROM "MSA FROM KPBI, 2600" TO "PBI. 2600". - IAW 8260.46K 3-1-2.C.

8. AIRPORTS SERVED: CHANGED AIRPORT ID FROM "KPBI" TO "PBI". - IAW 8260.46K 2-1-1.J.

9. REMARKS: CHANGED MAXIMUM VEG HEIGHT FROM 100 FT TO 75 FT. - PER FPT.

10. REMARKS: CHANGED APPROVAL LETTER AND WAIVER NOTES FROM:

APPROVAL LETTER: NON-STANDARD CHART NOTE FOR MATLK TRANSITION.

WAIVER LETTER: RWY 32 NON-STANDARD CLIMB GRADIENT TO BAGGR.

WAIVER LETTER: NON-STANDARD CLIMB GRADIENT FOR LNAV ENGAGEMENT.

TO:

APPROVAL LETTER: NON-STANDARD CHART NOTE FOR MATLK AND CHEFS TRANSITIONS.

WAIVER FOR RWY 32 NON-STANDARD CLIMB GRADIENT TO BAGGR.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TBIRD	SEVEN	TBIRD7.TBIRD	SIX	10/31/2024	22 JAN 2026

WAIVER FOR NON-STANDARD CLIMB GRADIENT FOR LNAV ENGAGEMENT FOR NOISE ABATEMENT. - ADDING APPROVAL FOR CHEFS TRANSITION AND IMPROVED STANDARDIZATION.
 11. REMARKS: CHANGED "MINIMUM ENROUTE ALTITUDES APPLIED TO MATCH TBIRD 5 AND BASED ON PROCEDURE EXTENDING MORE THAN 250 NM AND OPERATING ABOVE FL180 PER ATC" TO
 "MINIMUM ENROUTE ALTITUDES BASED ON PROCEDURE EXTENDING MORE THAN 250 NM AND OPERATING ABOVE FL180 PER ATC." - CLARITY FOR FUTURE SPECIALISTS.



**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>				
TBIRD	SEVEN	TBIRD7.TBIRD	SIX	10/31/2024	22 JAN 2026				
<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>
RW10L (AER)*	264058.97N/0800616.92W*	N	-	-	-	-			*DISPL THLD (1200 FT)
	264051.66N/0800329.65W	-	-	VI	092.78	2.50			CG 500 FT/NM TO 520
SMGLR	264303.25N/0795832.81W	Y	FB	CF	063.75	4.94			
SONNC	264724.82N/0795747.15W	Y	FB	TF	008.90	4.40			
AHABB	264832.70N/0800126.85W	Y	FB	TF	289.01	3.47	AT/ABOVE 6000		
BAGGR	265451.33N/0802154.79W	Y	FB	TF	289.05	19.35	AT/ABOVE 10000		
RW14 (AER)	264130.60N/0800614.48W	N	-	-	-	-			
	263936.61N/0800408.41W	-	-	VI	135.17	2.67			CG 500 FT/NM TO 520
CRRMN	264039.96N/0795903.47W	Y	FB	CF	077.00	4.67			
SMGLR	264303.25N/0795832.81W	Y	FB	TF	010.88	2.42			
SONNC	264724.82N/0795747.15W	Y	FB	TF	008.90	4.40			
AHABB	264832.70N/0800126.85W	Y	FB	TF	289.01	3.47	AT/ABOVE 6000		
BAGGR	265451.33N/0802154.79W	Y	FB	TF	289.05	19.35	AT/ABOVE 10000		
RW28R (AER)*	264055.13N/0800448.94W*	N	-	-	-	-			*DISPL THLD (811 FT)
520 MSL		-	-	VA	272.79	-	AT/ABOVE 520		CG 500 FT/NM TO 520
CRYER	264112.90N/0801215.10W	Y	FB	DF	-	-	AT/ABOVE 2500		
UTLEY	264322.89N/0801607.46W	Y	FB	TF	301.93	4.09	AT/ABOVE 4000		
BAGGR	265451.33N/0802154.79W	Y	FB	TF	335.67	12.56	AT/ABOVE 10000		
RW32 (AER)*	264044.85N/0800523.87W*	N	-	-	-	-			*DISPL THLD (418 FT)



<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>		<u>ACTUAL EFFECTIVE DATE</u>	
TBIRD		SEVEN		TBIRD7.TBIRD		SIX		10/31/2024		22 JAN 2026	
<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>		
520 MSL		-	-	VA	315.18	-	AT/ABOVE 520		CG 500 FT/NM TO 520		
BAYBE	264507.52N/0801015.74W	Y	FB	DF	-	-					
BAGGR	265451.33N/0802154.79W	Y	FB	TF	313.00	14.24	AT/ABOVE 10000				
BAGGR	265451.33N/0802154.79W	Y	-	IF	-	-					
TBIRD	270922.25N/0802809.74W	Y	FB	TF	338.94	15.51					
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD7.CHEFS		
CHEFS	272214.97N/0804538.96W	Y	FB	TF	309.56	20.19					
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD7.KPASA		
SIGME	271857.48N/0803234.66W	Y	FB	TF	337.64	10.34					
PANNT	273110.36N/0803847.18W	Y	FB	TF	335.62	13.38					
MATLK	274936.54N/0805704.27W	Y	FB	TF	318.63	24.53					
HAHNA	280805.88N/0811201.44W	Y	FB	TF	324.38	22.70					
KPASA	281034.00N/0815427.00W	Y	FB	TF	273.92	37.58					
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD7.MATLK		
SIGME	271857.48N/0803234.66W	Y	FB	TF	337.64	10.34					
PANNT	273110.36N/0803847.18W	Y	FB	TF	335.62	13.38					
MATLK	274936.54N/0805704.27W	Y	FB	TF	318.63	24.53					
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD7.SHRKS		



<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>		<u>ACTUAL EFFECTIVE DATE</u>	
TBIRD		SEVEN		TBIRD7.TBIRD		SIX		10/31/2024		22 JAN 2026	
<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>		
SIGME	271857.48N/0803234.66W	Y	FB	TF	337.64	10.34					
PANNT	273110.36N/0803847.18W	Y	FB	TF	335.62	13.38					
MATLK	274936.54N/0805704.27W	Y	FB	TF	318.63	24.53					
WAKKO	282031.57N/0811832.14W	Y	FB	TF	328.46	36.21					
MJAMS	285537.59N/0813633.30W	Y	FB	TF	335.71	38.43					
SHRKS	303723.23N/0814559.13W	Y	FB	TF	355.42	101.84					
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD7.SMELZ		
SIGME	271857.48N/0803234.66W	Y	FB	TF	337.64	10.34					
PANNT	273110.36N/0803847.18W	Y	FB	TF	335.62	13.38					
MATLK	274936.54N/0805704.27W	Y	FB	TF	318.63	24.53					
HAHNA	280805.88N/0811201.44W	Y	FB	TF	324.38	22.70					
SMELZ	280459.00N/0820634.00W	Y	FB	TF	266.53	48.33					
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD7.VIYAP		
SIGME	271857.48N/0803234.66W	Y	FB	TF	337.64	10.34					
PANNT	273110.36N/0803847.18W	Y	FB	TF	335.62	13.38					
MATLK	274936.54N/0805704.27W	Y	FB	TF	318.63	24.53					
ONEWY	282153.66N/0810321.04W	Y	FB	TF	350.24	32.67					
ZERBO	285456.68N/0811740.13W	Y	FB	TF	339.14	35.29					
DUCEN	291633.83N/0811923.24W	Y	FB	TF	356.01	21.62					
FEMON	302731.57N/0812336.20W	Y	FB	TF	357.05	70.88					
VIYAP	311508.15N/0812608.18W	Y	FB	TF	357.38	47.55					

