

**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SUPERSEDED NUMBER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	FOUR	TBIRD4.TBIRD	THREE	9/10/2020	<i>12 AUG 2021</i>
<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 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 295.48 TO CROSS LINKE AT OR BELOW 12000, THEN ON TRACK 294.91 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

TAKEOFF RWY 14: CLIMB ON HEADING 141.17 TO INTERCEPT COURSE 088.00 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 295.48 TO CROSS LINKE AT OR BELOW 12000, THEN ON TRACK 294.91 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

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 340.41 TO CROSS GLYPH AT OR BELOW 12000, THEN ON TRACK 342.16 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

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

TAKEOFF RWY 32: CLIMB ON HEADING 321.18 TO 520, THEN DIRECT BAYBE, THEN ON TRACK 320.40 TO CROSS HOPOK AT OR BELOW 12000, THEN ON TRACK 318.40 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

...ON TRACK 344.94 TO TBIRD, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE, 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>
CHEFS	TBIRD4.CHEFS	TBIRD	CHEFS	TRACK 315.56	20.19	16000	1600	
COPAY	TBIRD4.COPAY	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	COPAY	TRACK 323.07	19.13	FL180	2200	
MATLK	TBIRD4.MATLK	TBIRD	SIGME	TRACK 343.64	10.34	14000	1400	
		SIGME	PANNT	TRACK 341.62	13.38	16000	1500	

QUALITY
20
CHECKED

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TBIRD	FOUR	TBIRD4.TBIRD	THREE	9/10/2020	<i>12 AUG 2021</i>
PANNT	MATLK	TRACK 324.63	24.53	FL180	1500

PROCEDURAL DATA NOTES:

NOTE: TURBO-JETS ONLY.

NOTE: IF UNABLE TO ACCEPT MINIMUM CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: FOR AIRCRAFT FILED AT OR ABOVE 11000.

NOTE: CHEFS TRANSITION, FOR USE BY MCO OR DAB AREA ARRIVALS, OR AS ASSIGNED BY ATC ONLY.

TAKEOFF MINIMUMS:

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

TAKEOFF OBSTACLES NOTES:

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

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

CHART: TOP ALTITUDE: RWY 10L, 14, 28R: 14000.

CHART: TOP ALTITUDE: RWY 32: ASSIGNED BY ATC.

REFERENCE MAG VAR: KPBI 6W EPOCH YEAR: 2010.

DME/DME/IRU ASSESSMENT: SAT (RNP 2.0).

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
PALM BEACH INTL	KPBI	WEST PALM BEACH	FL

COMMUNICATIONS:

ATIS, CLNC DEL. GND CON, TOWER, PBI DEP CON

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

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

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TBIRD	FOUR	TBIRD4.TBIRD	THREE	9/10/2020	12 AUG 2021
FLIGHT INSPECTED BY					
JEFFREY ECKMAN	Digitally signed by JOHN BORDY May 27, 2021		OFFICE FICO	DATE 05/24/2021	
DEVELOPED BY					
HEIDI SNIDER	Digitally signed by HEIDI SNIDER Apr 19, 2021		OFFICE AJV-A422	DATE 03/15/2021	
APPROVED BY					
MARLON ROBINSON	Digitally signed by JOHN BORDY May 27, 2021		OFFICE AJV-A420	DATE	TITLE
REQUIRED EFFECTIVE DATE ROUTINE					
COORDINATED WITH:					

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

CHANGES - REASONS:

1. UPDATED DP ROUTE DESCRIPTIONS FROM:

"TAKEOFF RWY 10L: CLIMB HEADING 098.78 TO 520, THEN DIRECT CRRMN, THEN VIA DEPICTED ROUTE TO DIAPR, THENCE...

TAKEOFF RWY 14: CLIMB HEADING 141.18 TO 520, THEN LEFT TURN DIRECT CRRMN, THEN VIA DEPICTED ROUTE TO DIAPR, THENCE. ..

TAKEOFF RWY28R: CLIMB HEADING 278.79 TO 520, THEN DIRECT CRYER, THEN VIA DEPICTED ROUTE TO DIAPR, THENCE ...

TAKEOFF RWY32: CLIMB HEADING 321.19 TO 520, THEN LEFT TURN DIRECT UTLEY, THEN VIA DEPICTED ROUTE TO DIAPR, THENCE ...

... VIA DEPICTED ROUTE TO TBIRD. MAINTAIN 4000 OR AS ASSIGNED BY ATC. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE."

TO

"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 295.48 TO CROSS LINKE AT OR BELOW 12000, THEN ON TRACK 294.91 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

TAKEOFF RWY 14: CLIMB ON HEADING 141.17 TO INTERCEPT COURSE 088.00 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 295.48 TO CROSS LINKE AT OR BELOW 12000, THEN ON TRACK 294.91 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

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 340.41 TO CROSS GLYPH AT OR BELOW 12000, THEN ON TRACK 342.16 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

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

TAKEOFF RWY 32: CLIMB ON HEADING 321.18 TO 520, THEN DIRECT BAYBE, THEN ON TRACK 320.40 TO CROSS HOPOK AT OR BELOW 12000, THEN ON TRACK 318.40 TO CROSS BAGGR AT OR BELOW 14000, THENCE...

...ON TRACK 344.94 TO TBIRD, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE. - ATC REQUEST.

2. UPDATED TRANSITIONS, REMOVED SHEDS, ADDED CHEFS, COPAY, MATLK - ATC REQUEST.

3. ADDED NOTE: CHEFS TRANSITION, FOR USE BY MCO OR DAB AREA ARRIVALS, OR AS ASSIGNED BY ATC ONLY - ATC REQUEST.

4. REMOVED FIXES: SMGLR, AHABB, UTLEY - DEPICTED ON ROUTE.

5. UPDATED TOP ALTITUDE FROM 4000 TO RWY 10L, 14, 28R: 14000 RWY 32: ASSIGNED BY ATC. - ATC REQUEST.

6. REMOVED TAKEOFF OBSTACLE NOTES, ADDED SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - IAW .46G APPENDIX D.

7. REMOVED CONTROLLING OBSTACLE: ROUTE CLEAR

8. TAKEOFF MINIMUMS, REMOVED ATC CLIMB RWY 28R, 32 - ATC REQUEST.

9. REMOVED NOTE: FOR NON-GPS EQUIPPED AIRCRAFT: PHK AND PBI DMES MUST BE OPERATIONAL -DME/DME ASSESSMENT

10. REMOVED NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR PALM BEACH CLNC DEL - ATC REQUEST.

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



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TBIRD						FOUR	TBIRD4.TBIRD	THREE	9/10/2020	12 AUG 2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW10L (AER)*	264058.97N/0800616.92W*	N	-	-	-	-			*DISPL THLD (1200 FT)	
520 MSL		-	-	VA	092.78	-	AT/ABOVE 520		CG 500 FT/NM TO 520	
CRRMN	264039.96N/0795903.47W	Y	FB	DF	-	-	AT/ABOVE 2500			
SMGLR	264354.84N/0795822.18W	Y	FB	TF	010.77	3.30	AT/ABOVE 4000			
SONNC	264724.82N/0795747.15W	Y	FB	TF	008.51	3.53				
AHABB	264832.70N/0800126.85W	Y	FB	TF	289.01	3.47	AT/ABOVE 6000			
LINKE	264948.65N/0800526.30W	Y	FB	TF	289.48	3.79	AT/BELOW 12000			
BAGGR	265451.33N/0802154.79W	Y	FB	TF	288.91	15.57	AT/BELOW 14000			
RW14 (AER)	264130.60N/0800614.48W	N	-	-	-	-				
	263958.32N/0800432.41W	-	-	VI	135.17	2.16			CG 500 FT/NM TO 520	
CRRMN	264039.96N/0795903.47W	Y	FB	CF	082.00	4.96	AT/ABOVE 2500			
SMGLR	264354.84N/0795822.18W	Y	FB	TF	010.77	3.30	AT/ABOVE 4000			
SONNC	264724.82N/0795747.15W	Y	FB	TF	008.51	3.53				
AHABB	264832.70N/0800126.85W	Y	FB	TF	289.01	3.47	AT/ABOVE 6000			
LINKE	264948.65N/0800526.30W	Y	FB	TF	289.48	3.79	AT/BELOW 12000			
BAGGR	265451.33N/0802154.79W	Y	FB	TF	288.91	15.57	AT/BELOW 14000			
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			

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TBIRD		FOUR		TBIRD4.TBIRD		THREE		9/10/2020	<i>12 AUG 2021</i>
<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>
GLYPH	264639.62N/0801752.44W	Y	FB	TF	334.41	3.63	AT/BELOW 12000		
BAGGR	265451.33N/0802154.79W	Y	FB	TF	336.16	8.93	AT/BELOW 14000		
RW32 (AER)*	264055.13N/0800448.94W*	N	-	-	-	-			*DISPL THLD (418 FT)
520 MSL		-	-	VA	315.18	-	AT/ABOVE 520		CG 500 FT/NM TO 520.
BAYBE	264507.52N/0801015.74W	Y	FB	DF	-	-			LEFT TURN
HOPOK	264800.04N/0801332.10W	Y	FB	TF	314.40	4.10	AT/BELOW 12000		
BAGGR	265451.33N/0802154.79W	Y	FB	TF	312.40	10.14	AT/BELOW 14000		
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	-	-			TBIRD4.CHEFS
CHEFS	272214.97N/0804538.96W	Y	FB	TF	309.56	20.19			
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD4.COPAY
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			
COPAY	280338.46N/0811147.93W	Y	FB	TF	317.07	19.13			
TBIRD	270922.25N/0802809.74W	Y	-	IF	-	-			TBIRD4.MATLK
SIGME	271857.48N/0803234.66W	Y	FB	TF	337.64	10.34			



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TBIRD		FOUR		TBIRD4.TBIRD		THREE		9/10/2020	<i>12 AUG 2021</i>
<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>
PANNT	273110.36N/0803847.18W	Y	FB	TF	335.62	13.38			
MATLK	274936.54N/0805704.27W	Y	FB	TF	318.63	24.53			

