

**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SUPERSEDED NUMBER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>
BAYPO	TWO	BAYPO2.BAYPO	ONE	12/02/2021	16 May 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:

ST PETE-CLEARWATER INTL:

TAKEOFF RWY 4: CLIMB ON HEADING 044.72 TO INTERCEPT COURSE 002.39 TO CROSS FOXAR AT OR BELOW 1600, THEN ON TRACK 359.57 TO PPOLE, THEN ON TRACK 359.57 FOR VECTORS TO FINKI, THENCE...

TAKEOFF RWY 18: CLIMB ON HEADING 176.31 TO 520, THEN DIRECT YOTLR, THEN ON HEADING 203.00 FOR VECTORS TO FINKI, THENCE...

TAKEOFF RWY 22: CLIMB ON HEADING 224.73 TO 520, THEN DIRECT DEPPP, THEN ON HEADING 224.72 FOR VECTORS TO FINKI, THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING 356.31 TO INTERCEPT COURSE 026.68 TO CROSS FOXAR AT OR BELOW 1600, THEN ON TRACK 359.57 TO PPOLE, THEN ON TRACK 359.57 FOR VECTORS TO FINKI, THENCE...

...ON TRACK 003.52 TO BAYPO. MAINTAIN 1600. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN MINUTES AFTER DEPARTURE.

TAMPA INTL:

TAKEOFF RWY 1L/R: CLIMB ON HEADING 006.73 TO 540, THEN ON HEADING 003.00 FOR VECTORS TO FINKI, THENCE...

TAKEOFF RWY 10: CLIMB ON HEADING 096.73 TO 540, THEN ON HEADING 093.00 FOR VECTORS TO FINKI, THENCE...

TAKEOFF RWY 19L: CLIMB ON HEADING 186.73 TO 540, THEN ON HEADING 213.00 FOR VECTORS TO FINKI, THENCE...

TAKEOFF RWY 19R: CLIMB ON HEADING 186.73 TO 540, THEN ON HEADING 203.00 FOR VECTORS TO FINKI, THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 276.74 TO 540, THEN ON HEADING 273.00 FOR VECTORS TO FINKI, THENCE...

...ON TRACK 003.52 TO BAYPO. MAINTAIN 6000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN 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>
CAMJO	BAYPO2.CAMJO	BAYPO	ECAKE	TRACK 003.73	18.39	8000	1500	
		ECAKE	WILON	TRACK 358.01	45.08	8000	2100	
		WILON	SPRNG	TRACK 005.31	35.06	8000	1600	
		SPRNG	CAMJO	TRACK 005.31	30.25	8000	1700	
WILON	BAYPO2.WILON	BAYPO	ECAKE	TRACK 003.73	18.39	8000	1500	
		ECAKE	WILON	TRACK 358.01	45.08	8000	2100	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS REQUIRED.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.



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PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY.

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

TAKEOFF MINIMUMS:

ST PETE-CLEARWATER INTL:

RWY 18: STANDARD

RWY 4, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520.

RWY 22: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 300.

TAMPA INTL:

RWY 1L, 1R, 19R, 28: STANDARD

RWY 10: STANDARD WITH MINIMUM CLIMB OF 240 FT/NM TO 800.

RWY 19L: STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 300.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

ST PETE-CLEARWATER INTL:

RWY 22: 167 FT MSL TOWER 275319.00N/0824203.00W.

TAMPA INTL:

RWY 10: 621 MSL BUILDING 275648.00N/0822726.00W.

RWY 19L: 176 MSL BUILDING 275655.27N/0823124.32W.

MSA:

MSA FROM KPIE, 2700.

MSA FROM KTPA, 2700.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORT MV: KPIE (P) 5W/2010.

AIRPORT MV: KTPA 5W/2010.

ST PETE-CLEARWATER INTL - CHART: TOP ALTITUDE: 1600.

TAMPA INTL - CHART: TOP ALTITUDE: 6000.

DME/DME ASSESSMENT: SAT RNP 2.0

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KPIE	ST PETERSBURG-CLEARWATER	FL
KTPA	TAMPA	FL

COMMUNICATIONS:

CHART ATIS, KTPA ATCT, KPIE ATCT, CLNC DEL, GND CON

FIXES AND/OR NAVAIDS:

REMARKS:

WAIVER ON FILE PERMITTING THE DELETION OF A CROSSING ALTITUDE AT THE IF FOR AIRCRAFT RECEIVING VECTORS TO JOIN AN RNAV ROUTE.



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ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND NOISE SCREENING HAVE BEEN ACCOMPLISHED.
 KPIE AND KTPA MSA CONTROLLING OBSTACLE: 1667 MSL TOWER (12-004378) 274910.83N/0821537.99W.
 KPIE RWYS 4 AND 36 LNAV 500 FT/NM CLIMB GRADIENT APPLIED TO SHORTEN THE ICA FOR AN EARLY TURN FOR TRAFFIC ARRIVING/DEPARTING AND TO ALLOW TRANSITIONING TO FOXAR TO REMAIN AT OR BELOW 1600.
 PER FPT, ATC DOES VECTOR BELOW MVA AT KTPA.
 MEA ALTITUDES ARE BASED ON SUITABLE NAVIGATION COVERAGE FOR DME/DME/IRU.

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i> CASIMIR L TABAKA Mar 06, 2024	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
		RYAN CARAMANICA	FPO	03/05/2024	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i> LORRI F DOWNEY Nov 27, 2023	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
LORRI DOWNEY			AJV-A432	09/18/2023	
<u>APPROVED BY</u>	<i>Digitally signed by</i> CASIMIR L TABAKA Nov 30, 2023	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR TABAKA			AJV-A432		MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZJX, ZMA, TPA APP CON, PIE ATCT, TPA ATCT, AMGR

CHANGES - REASONS:

1. CHANGED DP ROUTE DESCRIPTION FOR ST PETE-CLEARWATER INTL TAKEOFF RWY 18 FROM "CLIMB ON HEADING 176.31 TO 520, THEN DIRECT YOTLR, THEN ON HEADING 203.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO FINKI, THENCE..." TO "CLIMB ON HEADING 176.31 TO 520, THEN DIRECT YOTLR, THEN ON HEADING 203.00, FOR VECTORS TO FINKI, THENCE ..." - REMOVED VERBIAGE "AS ASSIGNED BY ATC" PER FPT/ATC.
2. CHANGED DP ROUTE DESCRIPTION FOR ST PETE-CLEARWATER INTL TAKEOFF RWY 36 FROM "CLIMB ON HEADING 356.31 TO INTERCEPT COURSE 030.00 TO FOXAR, THEN ON TRACK 355.00 TO PPOLE, THEN ON TRACK 355.00. EXPECT VECTORS TO FINKI, THENCE..." TO "CLIMB ON HEADING 356.31 TO INTERCEPT COURSE 026.68 TO CROSS FOXAR AT OR BELOW 1600, THEN ON TRACK 359.57 TO PPOLE WP, THEN ON TRACK 359.57, FOR VECTORS TO FINKI, THENCE ..." - FPT CHECKLIST.
3. DP ROUTE DESCRIPTION FOR ST PETE-CLEARWATER INTL: ADDED "TAKEOFF RWY 4: CLIMB ON HEADING 044.72 TO INTERCEPT COURSE 002.39 TO CROSS FOXAR AT OR BELOW 1600, THEN ON TRACK 359.57 TO PPOLE, THEN ON TRACK 359.57 FOR VECTORS TO FINKI, THENCE..." AND "TAKEOFF RWY 22: CLIMB ON HEADING 224.73 TO 520, THEN DIRECT DEPPP, THEN ON HEADING 224.72 FOR VECTORS TO FINKI, THENCE..." - ADDED RWYS 4/22 PER FPT/ATC.
4. DP ROUTE DESCRIPTION FOR TAMPA INTL: REMOVED VERBIAGE "OR AS ASSIGNED BY ATC" FOR RWYS 01L, 01R, 10, 19L, 19R, AND 28 - FPT/ATC.
5. CHANGED TAKE-OFF MINIMUMS FOR ST PETE-CLEARWATER INTL RWY 4, FROM "NA - ATC" TO "STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 520" - RWYS 4/22 ADDED PER ATC AND ADDED 500 FT/NM TO 520 LNAV ENGAGEMENT TO RWYS 4/36 FOR EARLY TURN DUE TO TRAFFIC AND TO ALLOW TRANSITION TO FOXAR TO REMAIN AT/BELOW 1600.
6. CHANGED TAKE-OFF MINIMUMS FOR ST PETE-CLEARWATER INTL RWY 22, FROM "NA - ATC" TO "STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 300" - ADDED RWYS 4/22 PER ATC AND MITIGATION OF OBSTACLES.
7. CHANGED TAKE-OFF MINIMUMS FOR ST PETE-CLEARWATER INTL RWY 18 FROM "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520" TO "STANDARD" - REMOVED 500 FT/NM TO 520 LNAV ENGAGEMENT PER CRITERIA SINCE EARLY TURN TO SHORTEN ICA IS NOT NECESSARY.
8. CHANGED TAKE-OFF MINIMUMS FOR TAMPA INTL RWYS 1L/R, 19R, 28 FROM "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520" TO "STANDARD" - REMOVED 500 FT/NM TO 520 LNAV ENGAGEMENT PER CRITERIA SINCE EARLY TURN TO SHORTEN ICA IS NOT NECESSARY.
9. CHANGED TAKE-OFF MINIMUMS FOR TAMPA INTL RWY 10 FROM "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520" TO "STANDARD WITH MINIMUM CLIMB OF 240 FT/NM TO 800" - MITIGATE OBSTACLE PENETRATION.
10. CHANGED TAKE-OFF MINIMUMS FOR TAMPA INTL RWY 19L FROM "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520" TO "STANDARD WITH MINIMUM CLIMB OF 230 FT/NM TO 300" - MITIGATE OBSTACLE PENETRATION.
11. ADDED MSA FROM KPIE, 2700 AND MSA FROM KTPA, 2700 - 8260.46J.
12. ADDED CONTROLLING OBSTACLE FOR ST PETE-CLEARWATER INTL: RWY 22: 167 FT MSL TOWER 275319.00N/0824203.00W, FOR TAMPA INTL: RWY 10: 621 MSL BUILDING 275648.00N/0822726.00W AND RWY 19L: 176 MSL BUILDING 275655.27N/0823124.32W - NEW TARGETS EVALUATION.



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13. ADDED MAGVAR DOCUMENTATION TO ADDITIONAL FLIGHT DATA - 8260.46J: MAGVAR DOCUMENTATION FOR SIDS AND GRAPHIC ODPS.

14. ADDED TO REMARKS: KPIE RWYS 4 AND 36 LNAV 500 FT/NM CLIMB GRADIENT APPLIED TO SHORTEN THE ICA FOR AN EARLY TURN FOR TRAFFIC ARRIVING/DEPARTING AND TO ALLOW TRANSITIONING TO FOXAR TO REMAIN AT OR BELOW 1600 - JUSTIFICATION TO SHORTEN THE ICA FOR AN EARLY TURN IAW 8260.46J AND 8260.58C.

15. ADDED TO REMARKS: PER FPT, ATC DOES VECTOR BELOW MVA AT KTPA - PER FPT/ATC.

16. ADDED TO REMARKS: MEA ALTITUDES ARE BASED ON SUITABLE NAVIGATION COVERAGE FOR DME/DME/IRU - PER ATC/FPT.

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>			
BAYPO		TWO	BAYPO2.BAYPO	ONE	12/02/2021	16 May 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>
	ST PETE-CLEARWATER INTL			KPIE					
RW04 (AER)	275359.16N/0824121.60W	N	-	-	-	-			CG 500 FT/NM TO 520
-	275531.70N/0823955.03W	-	-	VI	039.72	2.00			
FOXAR	280006.25N/0824009.12W	Y	FB	CF	357.39	4.57	AT/BELOW 1600		
PPOLE	280402.55N/0824034.45W	Y	FB	TF	354.57	3.95			
PPOLE	280402.55N/0824034.45W	-	-	FM	354.57	-			
RW18 (AER)	275524.29N/0824126.54W	N	-	-	-	-			
520 MSL	-	-	-	VA	171.31	-	AT/ABOVE 520		
YOTLR	275058.39N/0824040.87W	Y	FO	DF	-	-			
-	-	-	-	VM	198.00	-			
RW22 (AER)	275444.86N/0824038.86W	N	-	-	-	-			
520 MSL	-	-	-	VA	219.73	-	AT/ABOVE 520		CG 230 FT/NM TO 300
DEPPP	275158.64N/0824314.27W	Y	FO	DF	-	-			
-	-	-	-	VM	219.72	-			
RW36 (AER)*	275358.16N/0824111.72W*	N	-	-	-	-			*DISPL THLD (930 FT)
-	275643.01N/0824140.09W	-	-	VI	351.31	2.77			CG 500 FT/NM 520
FOXAR	280006.25N/0824009.12W	Y	FB	CF	021.68	3.64	AT/BELOW 1600		
PPOLE	280402.55N/0824034.45W	Y	FB	TF	354.57	3.95			
PPOLE	280402.55N/0824034.45W	-	-	FM	354.57	-			



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<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>
	TAMPA INTL			KTPA					
RW01L (AER)	275747.86N/0823232.48W	N	-	-	-	-			
540 MSL	-	-	-	VA	001.73	-	AT/ABOVE 540		
-	-	-	-	VM	358.00	-			
RW01R (AER)	275751.52N/0823144.37W	N	-	-	-	-			
540 MSL	-	-	-	VA	001.73	-	AT/ABOVE 540		
-	-	-	-	VM	358.00	-			
RW10 (AER)*	275814.84N/0823204.35W*	N	-	-	-	-			*DISPL THLD (498 FT)
540 MSL	-	-	-	VA	091.73	-	AT/ABOVE 540		CG 240 FT/NM TO 800
-	-	-	-	VM	088.00	-			
RW19L (AER)	275913.66N/0823141.57W	N	-	-	-	-			
540 MSL	-	-	-	VA	181.73	-	AT/ABOVE 540		CG 230 FT/NM TO 300
-	-	-	-	VM	208.00	-			
RW19R (AER)	275936.74N/0823228.78W	N	-	-	-	-			
540 MSL	-	-	-	VA	181.73	-	AT/ABOVE 540		
-	-	-	-	VM	198.00	-			
RW28 (AER)	275812.89N/0823051.88W	N	-	-	-	-			
540 MSL	-	-	-	VA	271.74	-	AT/ABOVE 540		
-	-	-	-	VM	268.00	-			



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BAYPO	TWO	BAYPO2.BAYPO	ONE	12/02/2021	16 May 2024

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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FINKI	281153.41N/0823433.39W	Y	-	IF	-	-			
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BAYPO	282146.37N/0823450.71W	Y	FB	TF	358.52	9.86			
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BAYPO	282146.37N/0823450.71W	Y	-	IF	-	-			BAYPO2.CAMJO
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ECAKE	284012.64N/0823518.49W	Y	FB	TF	358.73	18.39			
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WILON	292504.24N/0824135.61W	Y	FB	TF	353.01	45.08			
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SPRNG	300012.73N/0824122.40W	Y	FB	TF	000.31	35.06			
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CAMJO	303032.00N/0824111.00W	Y	FB	TF	000.31	30.25			
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BAYPO	282146.37N/0823450.71W	Y	-	IF	-	-			BAYPO2.WILON
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ECAKE	284012.64N/0823518.49W	Y	FB	TF	358.73	18.39			
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WILON	292504.24N/0824135.61W	Y	FB	TF	353.01	45.08			
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