

**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SUPERSEDED NUMBER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>
ENDED	TWO	ENDED2.ENDED	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 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 ENDED, THENCE...

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

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

...ON TRACK 356.80 TO LACEN. 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 ENDED THENCE...

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

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

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

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

...ON TRACK 356.80 TO LACEN. 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>
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PBN REQUIREMENT NOTES:

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

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

PROCEDURAL DATA NOTES:

JET AIRCRAFT ONLY.

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.



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ENDED	TWO	ENDED2.ENDED	ONE	12/02/2021	16 May 2024

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.

DME/DME ASSESSMENT: SAT RNP 2.0

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

TAMPA INTL - CHART: TOP ALTITUDE: 6000.

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.

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

WAIVER ON FILE TO RETAIN "ENDED" SID NAME.

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.



<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i> CASIMIR L TABAKA Mar 06, 2024	<u>SIGNATURE</u> RYAN CARAMANICA	<u>OFFICE</u> FPO	<u>DATE</u> 03/05/2024	
<u>DEVELOPED BY</u>	<i>Digitally signed by</i> LORRI F DOWNEY Nov 27, 2023	<u>SIGNATURE</u>	<u>OFFICE</u> AJV-A432	<u>DATE</u> 09/19/2023	
<u>APPROVED BY</u>	<i>Digitally signed by</i> CASIMIR L TABAKA Nov 30, 2023	<u>SIGNATURE</u>	<u>OFFICE</u> AJV-A432	<u>DATE</u>	<u>TITLE</u> MANAGER
<u>REQUIRED EFFECTIVE DATE</u>	ROUTINE				

COORDINATED WITH:

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

CHANGES - REASONS:

1. 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 PPOL, THEN ON TRACK 359.57 FOR VECTORS TO ENDED, THENCE..." AND "TAKEOFF RWY 22: CLIMB ON HEADING 224.73 TO 520, THEN DIRECT DEPPP, THEN ON HEADING 224.72 FOR VECTORS TO ENDED, THENCE..." - ADDED RWY 4/22 PER FPT/ATC.
2. DP ROUTE DESCRIPTION FOR ST PETE-CLEARWATER INTL TAKEOFF RWY 18 CHANGED FROM "CLIMB ON HEADING 176.31 TO 520, THEN DIRECT YOTLR, THEN ON HEADING 203.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE..." TO "CLIMB ON HEADING 176.31 TO 520, THEN DIRECT YOTLR, THEN ON HEADING 203.00 FOR VECTORS TO ENDED, THENCE... - PER FPT/ATC.
3. DP ROUTE DESCRIPTION FOR ST PETE-CLEARWATER INTL RWY 36 CHANGED FROM " CLIMB ON HEADING 356.31 TO INTERCEPT COURSE 030.00 TO FOXAR, THEN ON TRACK 355.00 TO PPOL, THEN ON TRACK 355.00. EXPECT VECTORS TO ENDED, 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 PPOL, THEN ON TRACK 359.57 FOR VECTORS TO ENDED, THENCE... - ADDED AN ALTITUDE RESTRICTION OF AT OR BELOW 1600 AT FOXAR/NEW TARGETS EVALUATION.
4. DP ROUTE DESCRIPTION FOR TAMPA INTL: REMOVED VERBIAGE "OR AS ASSIGNED BY ATC" FROM ALL RWY DESCRIPTIONS - PER 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. CHANGED MAGVAR INFO FROM "REFERENCE MAG VAR: KTPA 5W EPOCH YEAR: 2010" TO "AIRPORT MV: KPIE (P) 5W/2010", AND "AIRPORT MV: KTPA 5W/2010" - 8260.46J AND MEMO: MAG VAR DOCUMENTATION FOR SIDS AND GRAPHIC ODPS.
13. 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.
14. ADDED "CHART" TO COMMUNICATIONS - 8260.46J.
15. ADDED TO REMARKS: KPIE AND KTPA MSA CONTROLLING OBSTACLE: 1667 MSL TOWER (12-004378) 274910.83N/0821537.99W - FOR FUTURE REFERENCE.
16. 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 - 8260.58C AND 8260.46J.
17. ADDED TO REMARKS: PER FPT, ATC DOES VECTOR BELOW MVA AT KTPA - FPT/ATC.
18. ADDED TO REMARKS: WAIVER ON FILE TO RETAIN "ENDED" SID NAME - SID INCORRECTLY NAMED 8260.46J.



NFDD 050

03/13/2024

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FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

DEPARTURE (DATA RECORD)

DP NAME		NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ENDED		TWO	ENDED2.ENDED	ONE	12/02/2021	16 May 2024

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
ST PETE-CLEARWATER INTL			KPIE						
RW4 (AER)	275359.16N/0824121.60W	N	-	-	-	-			
-	275531.70N/0823955.03W	-	-	VI	039.72	2.00			CG 500 FT/NM TO 520
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								
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 TO 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	-			

QUALITY

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CHECKED

FAA Form 8260-15C (03/23) Supersedes Previous Edition

Electronic Version

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QUALITY
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 CHECKED

NFDD 050							03/13/2024		20	
<u>DP NAME</u>							<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
ENDED							ENDED2.ENDED	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>	
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	-				

QUALITY
20
0-00



NFDD 050							03/13/2024		21	
<u>DP NAME</u>						<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
ENDED						TWO	ENDED2.ENDED	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>	
ENDED	282435.14N/0824703.97W	Y	-	IF	-	-			ENDED2.LACEN	
LACEN	283428.09N/0824840.78W	Y	FB	TF	351.80	9.96				

