

**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SUPERSEDED NUMBER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	NINE	ENDED9.ENDED	EIGHT	07/18/2018	<i>22 APR 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:**

ST PETE-CLEARWATER INTL:

TAKEOFF RWY 18: 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...

TAKEOFF RWY 36: CLIMB ON HEADING 356.31 TO INTERCEPT COURSE 030.00 TO FOXAR, THEN ON TRACK 001.73 TO GLYDR, THEN ON TRACK 344.29 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 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE...

TAKEOFF RWY 10: CLIMB ON HEADING 096.73 TO 540, THEN ON HEADING 093.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE...

TAKEOFF RWY 19L: CLIMB ON HEADING 186.73 TO 540, THEN ON HEADING 213.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE...

TAKEOFF RWY 19R: CLIMB ON HEADING 186.73 TO 540, THEN ON HEADING 203.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 276.74 TO 540, THEN ON HEADING 273.00 OR AS ASSIGNED BY ATC, 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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**PROCEDURAL DATA NOTES:**

NOTE: RNAV 1

NOTE: JETS ONLY.

NOTE: RADAR REQUIRED.

NOTE: DME/DME/IRU OR GPS REQUIRED.

**TAKEOFF MINIMUMS:**

ST PETE-CLEARWATER INTL:

RWY 4, 22: NA - ATC.

RWY 18, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

TAMPA INTL:

RWY 1L, 1R, 10, 19L, 19R, 28: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:****LOST COMMUNICATIONS PROCEDURES:**

<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	NINE	ENDED9.ENDED	EIGHT	07/18/2018	<b>22 APR 2021</b>

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KTPA 5W EPOCH YEAR: 2010

DME/DME ASSESSMENT: SAT RNP 2.0

CHART: KPIE TOP ALTITUDE: 1600

CHART: KTPA TOP ALTITUDE: 6000

**AIRPORTS SERVED:**

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

**COMMUNICATIONS:**

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

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

THERE IS A WAIVER ON FILE PERMITTING THE DELETION OF A CROSSING ALTITUDE AT THE IF FOR AIRCRAFT RECEIVING VECTORS TO JOIN AN RNAV ROUTE - WAIVE ORDER 8260.46G, APPENDIX E, SECTION 1, PARA 10.C.

*Digitally signed by***FLIGHT INSPECTED BY****ALLAN WILL****OFFICE****DATE**

JAMES HAWLEY

Feb 24, 2021

FICO

2/22/21

**DEVELOPED BY***Digitally signed by***DEAN GRACEY****OFFICE****DATE**

DEAN GRACEY

Dec 29, 2020

AJV-A423

12/29/2020

**APPROVED BY***Digitally signed by***ALLAN WILL****OFFICE****DATE****TITLE**

MARLON ROBINSON

Feb 24, 2021

AJV-A420

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

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

1. ADDED KPIE TO DEPARTURE AND ASSOCIATED DATA - ATC REQUESTED.

2. KPIE DP ROUTE DESCRIPTION - ADDED ST PETE-CLEARWATER INTL: TAKEOFF RWY 18: 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..., TAKEOFF RWY 36: CLIMB ON HEADING 356.31 TO INTERCEPT COURSE 030.00 TO FOXAR, THEN ON TRACK 001.73 TO GLYDR, THEN ON TRACK 344.29 TO ENDED, THENCE..., ...ON TRACK 356.80 TO LACEN. MAINTAIN 1600. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN MINUTES AFTER DEPARTURE - PER ATC REQUEST.

3. KTPA DP ROUTE DESCRIPTION: UPDATED FROM "TAKEOFF RWY 1L: CLIMB HEADING 006.73 TO 540, THEN ON HEADING 003.00 OR AS ASSIGNED BY ATC, THENCE ..., TAKEOFF RWY 1R: CLIMB HEADING 006.73 TO 540, THEN ON HEADING 003.00 OR AS ASSIGNED BY ATC, THENCE ..., TAKEOFF RWY 10: CLIMB HEADING 096.73 TO 540, THEN ON HEADING 093.00 OR AS ASSIGNED BY ATC, THENCE ..., TAKEOFF RWY 19L: CLIMB HEADING 186.73 TO 540, THEN ON HEADING 213.00 OR AS ASSIGNED BY ATC, THENCE ..., TAKEOFF RWY 19R: CLIMB HEADING 186.73 TO 540, THEN ON HEADING 203.00 OR AS ASSIGNED BY ATC, THENCE ..., TAKEOFF RWY 28: CLIMB HEADING 276.74 TO 540, THEN ON HEADING 273.00 OR AS ASSIGNED BY ATC, THENCE ..., ...EXPECT RADAR VECTORS TO ENDED, THEN ON TRACK 356.80 TO LACEN. MAINTAIN 6000 OR AS ASSIGNED BY ATC, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (10) MINUTES AFTER DEPARTURE" TO "TAMPA INTL: TAKEOFF RWY 1L/R: CLIMB ON HEADING 006.73 TO 540, THEN ON HEADING 003.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE..., TAKEOFF RWY 10: CLIMB ON HEADING 096.73 TO 540, THEN ON HEADING 093.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE..., TAKEOFF RWY 19L: CLIMB ON HEADING 186.73 TO 540, THEN ON HEADING 213.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE..., TAKEOFF RWY 19R: CLIMB ON HEADING 186.73 TO 540, THEN ON HEADING 203.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO

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<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	NINE	ENDED9.ENDED	EIGHT	07/18/2018	<i>22 APR 2021</i>

ENDED THENCE..., TAKEOFF RWY 28: CLIMB ON HEADING 276.74 TO 540, THEN ON HEADING 273.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO ENDED THENCE..., ...ON TRACK 356.80 TO LACEN. MAINTAIN 6000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN MINUTES AFTER DEPARTURE" - PER ATC REQUEST AND IAW 8260.46G, PARA 2-1-1 G.

4. REMARKS: CHANGED NOTE FROM "ATC IS AWARE OF CROSSING RESTRICTION AT ENDED (ID) AND WILL MODIFY LIGHT TRACKS NECESSARY TO REACH MINIMUM PNA ALTITUDES. PER ATC, MAX ALTITUDE UTILIZED FOR DEPARTURES AT ENDED (ID) IS 12000" TO "THERE IS A WAIVER ON FILE PERMITTING THE DELETION OF A CROSSING ALTITUDE AT THE IF FOR AIRCRAFT RECEIVING VECTORS TO JOIN AN RNAV ROUTE - WAIVE ORDER 8260.46G, APPENDIX E, SECTION 1, PARA 10.C" - PER ATC REQUEST.

5. PROCEDURAL DATA NOTES: CHANGED FROM "NOTE: TURBOJET ONLY" TO "NOTE: JETS ONLY" - PER ATC REQUEST.

6. ADDITIONAL FLIGHT DATA: REMOVED PILOT NAVIGATION AREA: 10 NM ARC CENTERED ON ENDED (IDF), CW FROM: POINT A (BEARING 312 DEGREES TO ENDED) TO: POINT B (BEARING 042 DEGREES TO ENDED) MINIMUM ALTITUDE - 4000 AND ADDED CHART: KPIE TOP ALTITUDE 1600 - PER ATC REQUEST.

7. TAKEOFF MINIMUMS: ADDED ST PETE-CLEARWATER INTL: RWY 4, 22: NA - ATC AND RWY 18, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520 - NEW EVALUATION, PER ATC REQUEST.

8. TAKEOFF MINIMUMS: CHANGED FROM "RWY 1R/L, 10, 19R/L, 28, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540" TO "TAMPA INTL: RWY 1L, 1R, 10, 19L, 19R, 28: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540" - IAW 8260.46G, APPENDIX E. SECTION 1, FIGURE E-3.



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
ENDED				NINE		ENDED9.ENDED		EIGHT		07/18/2018		22 APR 2021	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
ST PETE-CLEARWATER INTL					(KPIE)								
RW18 (AER)	275524.29N/0824126.54W	N	-	-	-	-							
520 MSL	-	-	-	VA	171.31	-	AT/ABOVE 520	CG 500 FT/NM TO 520					
YOTLR	275058.39N/0824040.87W	Y	FO	DF	-	-							
-	-	-	-	VM	198.00	-							
RW36 (AER)*	275358.16N/0824111.72W*	N	-	-	-	-							
-	275633.84N/0824138.51W	-	-	VI	351.31	02.62	CG 500 FT/NM TO 520						
FOXAR	280005.56N/0823947.34W	Y	FB	CF	025.00	03.88							
GLYDR	280853.85N/0824021.38W	Y	FB	TF	356.73	08.80							
ENDED	282435.14N/0824703.97W	Y	FB	TF	339.29	16.73							
TAMPA INTL					(KTPA)								
RW01L (AER)	275747.86N/0823232.48W	N	-	-	-	-							
540 MSL	-	-	-	VA	001.73	-	AT/ABOVE 540	CG 500 FT/NM TO 540					
-	-	-	-	VM	358.00	-							
RW01R (AER)	275751.52N/0823144.37W	N	-	-	-	-							
540 MSL	-	-	-	VA	001.73	-	AT/ABOVE 540	CG 500 FT/NM TO 540					
-	-	-	-	VM	358.00	-							
RW10 (AER)*	275814.84N/0823204.35W*	N	-	-	-	-							

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ENDED		NINE		ENDED9.ENDED		EIGHT		07/18/2018	<i>22 APR 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>
540 MSL	-	-	-	VA	091.73	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	088.00	-			
RW19L (AER)	275913.66N/0823141.57W	N	-	-	-	-			
540 MSL	-	-	-	VA	181.73	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	208.00	-			
RW19R (AER)	275936.74N/0823228.78W	N	-	-	-	-			
540 MSL	-	-	-	VA	181.73	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	198.00	-			
RW28 (AER)	275812.89N/0823051.88W	N	-	-	-	-			
540 MSL	-	-	-	VA	271.74	-	AT/ABOVE 540		CG 500 FT/NM TO 540
-	-	-	-	VM	268.00	-			
COMMON ROUTE									
ENDED	282435.14N/0824703.97W	Y	-	IF	-	-			KPIE KTPA
LACEN	283428.09N/0824840.78W	Y	FB	TF	351.80	09.96			

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