

**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SUPERSEDED NUMBER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 | |
| <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> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|

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.



| <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 | |

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.



**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 | | | |
| 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 20

QUALITY
20
CHECKED

| <u>DP NAME</u> ENDED | | <u>NUMBER</u> TWO | | <u>DP COMPUTER CODE</u> ENDED2.ENDED | | <u>SUPERSEDED NUMBER</u> ONE | | <u>DATED</u> 12/02/2021 | <u>ACTUAL EFFECTIVE DATE</u> |
|-------------------------|-------------------------|----------------------|--------------|-----------------------------------------|-----------|---------------------------------|-----------------|----------------------------|------------------------------|
| <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
CHECKED

| <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 | |
| <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 | | | |

