

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KPIE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ST PETERSBURG-CLEARWATER	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 11	<u>TDZE</u> 7	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 14 JULY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES [THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 22-14.](#)

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
PIE VORTAC		DETSE		TF	FO	1.00	355.36	11.75	2600
DONHU	IAF	DETSE	NOPT	TF	FB	1.00	173.97	4.25	2600
DETSE	IF/IAF	SAUND		TF	FB	1.00	176.30	5.93	1600
SAUND	FAF	WIGUS/1.60 NM TO RW18		TF	FB	0.30	176.30	3.24	
WIGUS/1.60 NM TO RW18		RW18	MAP	TF	FO	0.30	176.30	1.60	
RW18	MAP	207 MSL		CA			176.30		
207 MSL		RONXI		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT RONXI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N DETSE, RT, 176.30 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 176.30FAF: SAUNDDIST FAF TO MAP: 4.84DIST FAF TO THLD: 4.84

4. MIN ALT: DETSE 2600, SAUND 1600, WIGUS/1.60 NM TO RW18 520

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.46GS ANT:

6. MIN GP INCPT: 1600GP ALT AT PFAF : SAUND 1600OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 52.7

8. MSA FROM: RW18 2700

PBN REQUIREMENTS NOTE:

RNP APCH -GPS.

NOTES:

CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PIE VORTAC AIRWAY RADIALS 336 CW 067.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C AND D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART 307 TOWER 275959N/0824200W
HOLD S, LT, 356.33 INBOUND.
CHART FAS OBST: 117 TREE (12-119090) 275519N/0824158W.
CHART VDP AT 0.96 NM TO RW18.
WAAS CHANNEL # 61039
REFERENCE PATH ID: W18A
CHART CIRCLING ICON.
LTP HAE: -22.7 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.



CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	207	1800	200	207	1800	200	207	1800	200	207	1800	200			
LNAV/VNAV DA	278	2400	271	278	2400	271	278	2400	271	278	2400	271			
LNAV MDA	380	2400	373	380	2400	373	380	3500	373	380	3500	373			
CIRCLING	520	1	509	520	1	509	600	1 1/2	589	620	2	609			

CHANGES - REASONS

1. CHANGED LNAV MINIMUMS FROM MDA 300/HAT 293 TO MDA 380/HAT 373 - DUE TO NEW CONTROLLING OBSTACLE, 117' TREE (12-119090).
2. ADDED EQUIPMENT REQUIREMENT NOTE "RNP APCH - GPS" TO PBN NOTES - IAW 8260.19I PARA 8-6-8B(2).
3. DELETED DME/DME RNP- 0.3 NA - IAW 8260.19I PARA 1-1-5F(18)
4. ADDED CHART FAS OBST: 117 TREE 275519N/0824158W.- IAW 8260.19I PARA 8-6-10C
5. CHANGED CIRCLING CAT C VISIBILITY MINIMUMS FROM 1 3/4 TO 1 1/2 - PER 8260.3D TABLE 3-3-7.
6. CHANGED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3°C (38°F) OR ABOVE 54°C (130°F) TO CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3°C OR ABOVE 54°C - IAW 8260.19I PARA 8-6-9R.
7. CHANGED FAS DATA BLOCK INFORMATION; LTP/FTP LATITUDE CHANGED FROM 275524.2915N TO 275524.2935N, LTP/FTP LONGITUDE CHANGED FROM 0824126.5385W TO 0824126.5380W, FPAP LATITUDE CHANGE FROM 272349.0550N TO 275349.0565N, FPAP LONGITUDE CHANGED FROM 0824110.1540W TO 0824110.1520W, CRC REMAINDER CHANGED FROM 12C14777 TO C8F5970D - THLD LAT/LONG CHANGED.
8. CHANGED LNAV/VNAV MINIMUMS FROM DA 257/HAT250 TO DA 278/HAT 271 ALL CATS - NEW CONTROLLING OBSTACLE (#12-119090).
9. CHANGED CIRCLING MINIMUMS FOR CAT C FROM CMDA 640/HAA 629 TO CMDA 600/HAA 589 - DUE TO NEW CONTROLLING OBSTACLE (12-118143).
10. CHANGED CIRCLING MINIMUMS FOR CAT D FROM CMDA 680/HAA 669 TO CMDA 620/HAA 609 - NEW AC FOR CONTROLLING OBSTACLE.
11. LINE 2 ADDED "MAX 6000" - IAW 8260.19I PARA 8-6-7B(2).
12. CHANGED VDP FROM .74 NM TO .96 NM - DUE TO NEW MDA 380/HAT 373.
13. CHANGED LNAV CAT C/D VISIBILITY FROM 2400 TO 3500 - IAW 8260.3D TABLE 3-3-1.
14. CHANGED INOP NOTE FROM FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4000 AND LNAV VISIBILITY CATS C/D TO RVR 4500 TO FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV VISIBILITY CATS C/D TO RVR 5500 - IAW 8260.19I 8-6-11O3D.
15. CHANGED FEEDER PIE TO DETSE FROM RNP 2.00 TO RNP 1.00 - IAW 8260.58A TABLE 1-2-1.
16. DELETED CHART 307 TOWER 280000N/0824200W FROM ADDITIONAL FLIGHT DATA - NO LONGER VALID.
17. DELETED ATA FROM COORDINATION SECTION - ATA (AIR TRANSPORT OF AMERICA) WAS REPLACED WITH AIRLINES FOR AMERICA (A4A).
18. CHANGED STEPDOWN FIX ALTITUDE FROM 560 TO 520 - NEW CONTROLLING OBSTACLE.
19. DELETED "LNAV ONLY" PROFILE NOTE FROM ADDITIONAL FLIGHT DATA, ASTERISK INDICATING "LNAV ONLY" FROM VDP NOTE IN ADDITIONAL FLIGHT DATA, AND ASTERISK NEXT TO STEPDOWN FIX ALTITUDE ON LINE 4 IN PROFILE - NO LONGER REQUIRED IAW 8260.19I, PARA 8-6-10M.
20. ADDED CHART NOTE CIRCLING TO RWY 22 NA AT NIGHT - UNLT 20:1 PENETRATION, 23 FOOT TREE (12-154564).

06/07/2022: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/29/2022.

1. DELETED CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA -CORRECT ADMINISTRATIVE ERROR.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** TPA APP CON, PIE ATCT
Digitally signed by

FLIGHT CHECKED BY

GEORGE EDWARD SEARLES

ALLAN WILL

Jun 07, 2022

OFFICE

FIOG

DATE

04/22/2022

DEVELOPED BY

GEORGETTE P. BARNETT (WILLIAM D. MELTON)

Digitally signed by

WILLIAM D MELTON

Jun 07, 2022

OFFICE

AJV-A422

DATE

06/23/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Jun 07, 2022

OFFICE

AJV-A420

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPIE
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	275524.2935N
LTP/FTP LONGITUDE	0824126.5380W
LTP/FTP ELLIPSOIDAL HEIGHT	-00227
FPAP LATITUDE	275349.0565N
FPAP LONGITUDE	0824110.1520W
THRESHOLD CROSSING HEIGHT (TCH)	00052.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 C8F5970D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00020
FPAP ORTHOMETRIC HEIGHT	+00020