

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> PTB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> PETERSBURG	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 193	<u>TDZE</u> 193	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 04/27/2017
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 8W
				<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RIC VORTAC		FASOS		TF	FO	1.00	219.12	31.44	2000
BOUSY	IAF	FASOS	NOPT	TF	FB	1.00	047.61	18.29	2000
FASOS	IF/IAF	RALOC		TF	FB	1.00	050.82	6.05	1600
RALOC	FAF	NIYIP/1.65 NM TO RW05		TF	FB	0.30	050.87	2.64	
NIYIP/1.65 NM TO RW05		RW05	MAP	TF	FO	0.30	050.87	1.65	
RW05	MAP	511 MSL		CA			050.87		
511 MSL		ONIKE		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT ONIKE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SW FASOS, RT, 050.82 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 4000.
3. FAC: 050.87 FAF: RALOC DIST FAF TO MAP: 4.29 DIST FAF TO THLD: 4.29
4. MIN ALT: FASOS 2000, RALOC 1600, NIYIP/1.65 NM TO RW05 760
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 318 HAT: 0.86 GS ANT: MM: IM:
6. MIN GP INCPT: 1600 GP ALT AT PFAF: RALOC 1600 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 42.2
8. MSA FROM: RW05 2600



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CAT A AND B.
CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RIC VORTAC AIRWAY RADIALS 146 CW 283.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 231.02 INBOUND.
CHART FAS OBST: 336 WATER_TOWER (51-082620) 370944N/0773105W.
510 AAO 370809N/0773445W.
CHART VDP AT 1.14 NM TO RW05.
WAAS CHANNEL # 70705
REFERENCE PATH ID: W05A
LTP HAE: 25.2 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	511	1	318	511	1	318	511	1	318		NA				
LNAV/VNAV DA	597	1	404	597	1	404	597	1	404		NA				
LNAV MDA	600	1	407	600	1	407	600	1	407		NA				
CIRCLING	680	1	487	680	1	487	760	1 1/2	567		NA				



CHANGES - REASONS

1. INCREASED LPV DA/HAT FROM 497/304 TO 511/318. – NEW CONTROLLING OBSTACLE.
2. INCREASED LNAV/VNAV DA/HAT FROM 509/316 TO 597/404. – NEW CONTROLLING OBSTACLE.
3. REMOVED INITIAL FROM LVL VORTAC TO FASOS; ADDED INITIAL FROM BOUSY TO FASOS. – LVL VORTAC DECOMMISSIONING; FPT REQUEST.
4. UPDATED DISTANCE RALOC TO NIYIP FROM 2.59 TO 2.64; NIYIP TO RW05 FROM 1.70 TO 1.65. – STEPDOWN FIX MOVED TO PROVIDE CONSTANT DESCENT GRADIENT.
5. MISSED APPROACH CA LEG ALTITUDE UPDATED FROM 497 TO 511. - LOWEST DA, MDA OR 400FT ABOVE AIRPORT ELEVATION.
6. LINE 2: ADDED MAX ALTITUDE 4000. - UPDATED FORMS.
7. LINE 4: REMOVED *, AND *LNAV ONLY FROM CHART NOTES. - NO LONGER REQUIRED.
8. LINE 5: ADDED DISTANCE TO THLD FROM 318 HAT: 0.86. REMOVED "DISTANCE TO THLD FROM 304 HAT: 0.83 NM" FROM ADDITIONAL FLIGHT DATA. – LOWEST DA DUE TO NEW CONTROLLING OBSTACLES; FORMS UPDATED.
9. LINE 7: ADDED 34:1 IS NOT CLEAR; 20:1 IS CLEAR. – 34:1 PENETRATIONS EXIST; NO 20:1 PENETRATIONS.
10. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.
11. UPDATED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED TO RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. – IAW 8260.19I 8-6-11 K.3.
12. UPDATED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW FROM “-15C (5F) OR ABOVE 54C (130F)” TO “-15F TO 54C.” –FAHRENHEIT REMOVED IAW 8260.19I.
13. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LVL VORTAC AIRWAYS RADIALS 042 CW 106. – INITIAL FROM LVL VORTAC REMOVED.
14. REMOVED CHART NOTE: ALTERNATE ALTIMETER. – MOVED TO 8260-9 PART C – REMARKS FOR CONTINGENCY USE.
15. MOVED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING RICHMOND EXECUTIVE-CHESTERFIELD COUNTY ALTIMETER SETTING TO 8260-9 PART-C REMARKS. - IAW 8260.19I 8-6-9 E(3)8.
16. REMOVED CHART NOTE: FOR INOPERATIVE ODALS, INCREASE LNAV CAT C VISIBILITY TO 1 1/8 SM.” – NOT REQUIRED.
17. UPDATED ADDITIONAL FLIGHT DATA: FROM "529 AAO 3708008.02N/0773446.92W" TO "510 AAO 370809N/0773445W." - UPDATED 7:1 OBSTACLE.
18. UPDATED ADDITIONAL FLIGHT DATA: FROM FAS OBST: 339 TREE 371039N/0773141W TO CHART FAS OBST: 336 WATER_TOWER (51-082620) 370944N/0773105W. – NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
19. REMOVED ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON. - REVISED CIRCLING MANEUVERING AREA INPLEMENTATION PLAN MEMO.
20. FAS DATA: UPDATED FPAP LATITUDE/LONGITUDE FROM 371150.7105N/0772927.3425WTO 371150.7120N/0772927.3445W. – NEW FPAP LOCATION.
21. FAS DATA: UPDATED CRC REMAINDER FROM 046AA8FF TO 25050F51. – UPDATED FPAP LATITUDE/LONGITUDE.
22. UPDATED ADDITIONAL FLIGHT DATA: MISSED APPROACH HOLD INBOUND COURSE FROM 231.01 TO 231.02. - MATCH HOLD-IN-LIEU RNAV (GPS) RWY 23.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

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OTHER:

ZDC, PCT APP CON, ARPT MGR, VA DOT

FLIGHT CHECKED BY

NATHAN J CHOTT

Digitally signed by

CASIMIR L TABAKA

Jan 24, 2024

OFFICE

FPO

DATE

01/23/2024

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

CASIMIR L TABAKA

Dec 22, 2023

OFFICE

AJV-A432

DATE

08/22/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Dec 22, 2023

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPTB
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	371045.3750N
LTP/FTP LONGITUDE	0773043.2675W
LTP/FTP ELLIPSOIDAL HEIGHT	+00252
FPAP LATITUDE	371150.7120N
FPAP LONGITUDE	0772927.3445W
THRESHOLD CROSSING HEIGHT (TCH)	00042.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	25050F51

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00587
FPAP ORTHOMETRIC HEIGHT	+00587

