

**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> W99	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> PETERSBURG	<u>STATE</u> WV		
<u>AIRPORT ELEVATION</u> 963	<u>TDZE</u> 957	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 05/28/2015	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 205/30 CW 025/30	NOPT	205/20 CW 025/20		6200
2. 205/20 CW 025/20		WOLUB	IF/IAF	5700
3. 025/30 CW 115/30		025/15 CW 115/15		7100
4. 025/15 CW 115/15		HAVEV	IAF	6300
5. 115/30 CW 205/30		115/15 CW 205/15		6700
6. 115/15 CW 205/15		CELAG	IAF	5700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HAVEV	IAF	WOLUB	NOPT	TF	FB	1.00	025.34	8.30	5700
CELAG	IAF	WOLUB	NOPT	TF	FB	1.00	205.41	8.30	5700
WOLUB	IF/IAF	PADOH		TF	FB	1.00	295.37	7.00	4500
PADOH	FAF	FEKUP/5.20 NM TO YIKRU		TF	FB	0.30	295.28	3.08	
FEKUP/5.20 NM TO YIKRU		YIKRU	MAP	TF	FO	0.30	295.28	5.20	
YIKRU	MAP	1363 MSL		CA			295.28		
1363 MSL		ESL VOR/DME		DF	FO	1.00			5000



MISSED APPROACH

MAP:

LP: YIKRU
LNAV: YIKRU

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 5000 DIRECT ESL VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|---|--------------------|----------------|-----------|-----------------------|------------------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD SE WOLUB, RT, 295.37 INBOUND, 5700 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 295.28 | | FAF: PADOH | | DIST FAF TO MAP: 8.28 | DIST FAF TO THLD: 8.77 |
| 4. MIN ALT: WOLUB 5700, PADOH 4500, FEKUP/5.20 NM TO YIKRU 3260 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | GS ANT: | |
| 6. MIN GP INCPT: | GP ALT AT FAF : | | | OM: | MM: IM: |
| 7. GP ANGLE: | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: | | |
| 8. MSA FROM: | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
HOLD NE, LT, 213.00 INBOUND.
CHART FAS OBST: 1779 TREE 385920N/0790542W, 1525 TREE 385831N/0790604W.
3039 AAO 385619N/0785725W, 2639 AAO 385700N/0790139W, 2599 AAO 385706N/0790137W.
CHART VDP AT 1.86 NM TO YIKRU.
WAAS CHANNEL # 58131
REFERENCE PATH ID: W31A
FAC CROSSES RWY C/L EXTENDED 3001 FT FROM THLD.
PADOH TO RW31: 3.76/46.0.
FICTITIOUS THRESHOLD POINT (CFFFJ) DO NOT CHART.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.10 DEGREES.
FTP HAE: 257.1 M



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

ALTERNATE: NA

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
LP MDA	2620	1 1/4	1663	2620	1 1/2	1663	2620	3	1663		NA					
LNAV MDA	2740	1 1/4	1783	2740	1 1/2	1783	2740	3	1783		NA					
CIRCLING	2740	1 1/4	1777	2740	1 1/2	1777	2880	3	1917		NA					

CHANGES - REASONS

1. TERMINAL ROUTES: WOLUB TO PADOH CHANGED RNP FROM 0.50 TO 1.00. - 8260.58A, 3-1-4.
2. TERMINAL ROUTES: ADDED COURSE 295.28 TO CA LEG - UPDATED FORM.
3. TERMINAL ROUTES: CHANGED CA ALTITUDE FROM 1063 TO 1363 - 8260.58A, 3-5-2(A).
4. PROFILE: LINE 2 ADDED MAX 6000 - 8260.19H, 8-6-7.B(2).
5. PROFILE: LINE 3 CHANGED DIST FAF TO THLD: FROM 8.76 TO 8.77 - TARGETS ROUNDING.
6. REMOVED CHART NOTE: PROCEDURE NA AT NIGHT - 20:1 IS CLEAR
7. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA - NO BACKUP ALTIMETER.
8. REMOVED CHART NOTE DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H, 8-6-8.B(1).
9. CHANGED CHART NOTE FROM HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED IAW 8260.19H, 8-6-11.K(3), 34:1 EXIST FOR RWY 31.
10. CHANGED CHART PROFILE NOTE: FROM VGSI AND DESCENT ANGLES NOT COINCIDENT TO VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - 8260.19H, 8-7-1.D(5)
11. CHANGED CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET FROM 15.11 TO 15.10 DEGREES - NEW EVALUATION.
12. ADDITIONAL FLIGHT DATA:
CHANGED CHART FAS OBST FROM 1639 TREE 385841N/0790556W TO 1525 TREE 385831N/0790604W - NEW CONTROLLING OBSTACLE.
CHANGED PADOH TO RW31 VDA/TCH FROM 3.77/46 TO 3.76/46 - NEW TARGETS EVALUATION AND ROUNDING.
ADDED FICTITIOUS THRESHOLD POINT (CFFFJ) DO NOT CHART - CNF FIX REQUIRED FOR FTP/FTP LAT/LONG FAS DATA.
UPDATED FAC CROSSES RWY C/L EXTENDED THLD DISTANCE FROM 3000 TO 3001 - NEW EVALUATION 8260.19H, 8-6-10.G(2).
LTP HAE CHANGED FROM 257 M TO 257.1 M - NEW SURVEY DATA.
13. CHANGED LP HAT FROM 1672 TO 1663 AND LNAV HAT FROM 1792 TO 1783 - TDZE ELEVATION CHANGED, INCORPORATED P-NOTAM IFDC 5/7047.
14. AMENDED CRC REMAINDER FROM 70DBACF6 TO E2C23AFC - UPDATED LTP/FTP AND FPAP COORDINATES, AND FTP ELLIPSOIDAL HEIGHT.

COORDINATED WITH:

~~A4A~~ ~~ALPA~~ ~~AOPA~~ ~~APA~~ ~~HAI~~ ~~NBAA~~ **OTHER:** ZDC, AMGR

Digitally signed by

FLIGHT CHECKED BY
STEPHEN CHRISTOPHER BAUER

JASON KRETSCHMER
Apr 29, 2021

OFFICE
FICO

DATE
10/15/2020

DEVELOPED BY
JASON KRETSCHMER (RAYMOND JOHNSON)

Digitally signed by
JASON KRETSCHMER
Apr 29, 2021

OFFICE
AJV-A421

DATE
08/10/2020

APPROVED BY
MARLON ROBINSON

Digitally signed by
JASON KRETSCHMER
Apr 29, 2021

OFFICE
AJV-A420

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	W99
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	385921.5050N
LTP/FTP LONGITUDE	0790822.5200W
LTP/FTP ELLIPSOIDAL HEIGHT	+02571
FPAP LATITUDE	385947.8170N
FPAP LONGITUDE	0791011.7135W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.76
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	E2C23AFC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02889
FPAP ORTHOMETRIC HEIGHT	+02889

