Flight Procedure Tracking Form

Action:	Task Type:	Date Open:	Task #:	Request #:
FLIGHT CHECK	IAP	12/19/2012	2008042218486001029	20080422184860

Procedure: RNAV (GPS) Y RWY 31 ORIG

Airport ID: KW99 **Airport:** GRANT COUNTY **Reimbursable #:**

City: PETERSBURG **ST:** WV **GPS #:** **Estimated Chart Date:** 06/27/2013 **FICO #:**

Fac ID: **Fac. Type:** LP Proc **Specialist:** CASIMIR TABAKA(Contractor)

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	07/03/2012	02/13/2013	CASIMIR TABAKA	
QA:	02/13/2013	02/13/2013	CASIMIR TABAKA	
Liaison:	02/13/2013		Spurlin	

Procedure Comments: ENROUTE-NON **Remark Type:** INFORMATION

Pg 2 of 5

PETERSBURG, WV GRANT COUNTY (KW99) RNAV (GPS) Y RWY 31, ORIG (LP) ENROUTE- NO FC: 5.14.13 PUB: 6.27.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): CELAG, ORIG; FEKUP, ORIG; HAVEV, ORIG; KESSEL (ESL) VDME, REV 5; PADOH, REV 2; WOLUB, ORIG; YIKRU, ORIG.

FLCK NOTE: FINAL APPROACH COURSE OFFSET 15.11 DEGREES.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

RNAV (GPS) Y RWY 31

PETERSBURG / GRANT COUNTY (W99)

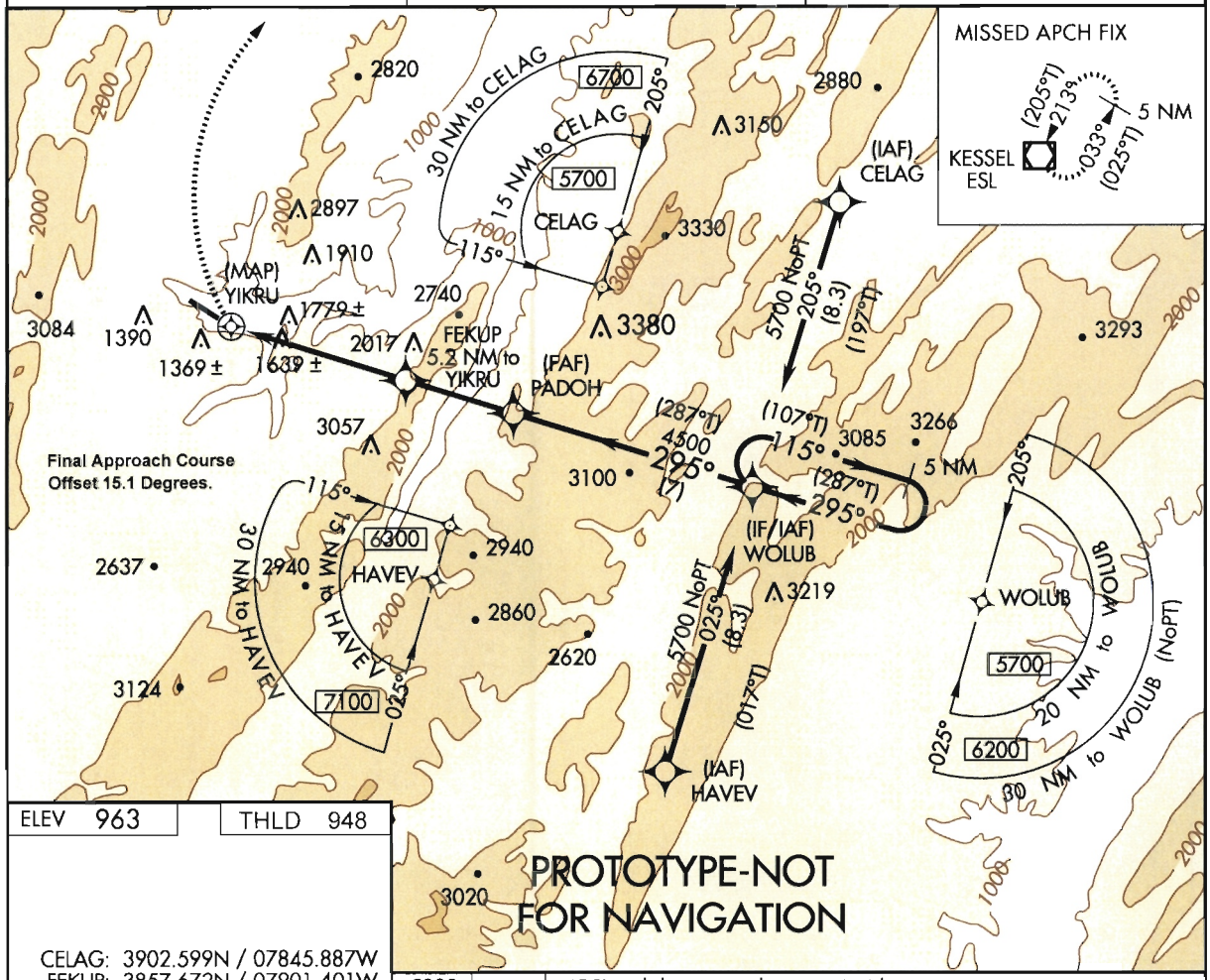
WAAS	APP CRS	Rwy Idg	5000
CH 58131	295°	TDZE	957
W31A		Apt Elev	963

T
NA

DME/DME RNP-0.3 NA. Procedure NA at night. Helicopter visibility reduction below 1 SM NA.

MISSED APPROACH: Climbing right turn to 5000 direct ESL VOR/DME and hold.

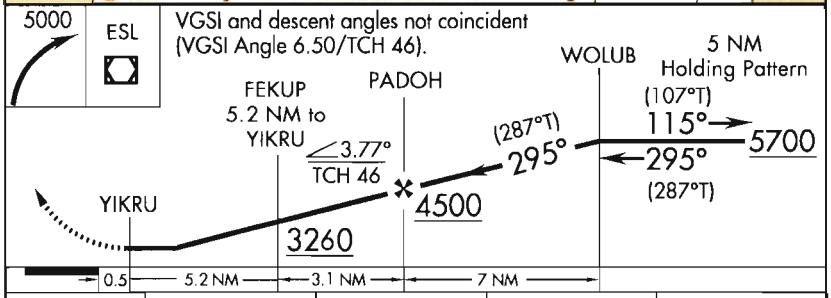
AWOS-3	WASHINGTON CENTER	UNICOM
124.475	133.65 285.6	122.8 L (CTAF)



ELEV 963	THLD 948

CELAG: 3902.599N / 07845.887W
FEKUP: 3857.672N / 07901.401W
HAVEV: 3846.741N / 07852.237W
ESL: 3913.530N / 07859.370W
PADOH: 3856.758N / 07857.631W
WOLUB: 3854.671N / 07849.068W
YIKRU: 3859.213N / 07907.770W

REIL Rwys 13 and 31 L
MIRL Rwy 13-31 L



CATEGORY	A	B	C	D
LP MDA	2620-1¼ 1672 (1700-1¼)	2620-1½ 1672 (1700-1½)	2620-3 1672 (1700-3)	NA
LNAV MDA	2740-1¼ 1792 (1800-1¼)	2740-1½ 1792 (1800-1½)	2740-3 1792 (1800-3)	NA
CIRCLING	2740-1¼ 1777 (1800-1¼)	2740-1½ 1777 (1800-1½)	2880-3 1917 (2000-3)	NA

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HAVEV (IAF)	WOLUB (NOPT) (FB)	025.34 / 8.30	5700
CELAG (IAF)	WOLUB (NOPT) (FB)	205.41 / 8.30	5700
WOLUB (IF/IAF)	PADOH (FB)	295.37 / 7.00	4500
PADOH (FAF)	FEKUP/5.20 NM TO YIKRU (FB)	295.28 / 3.08	
FEKUP/5.20 NM TO YIKRU	YIKRU (MAP) (FO)	295.28 / 5.20	
YIKRU (MAP)	1063 MSL		
1063 MSL	ESL VOR/DME (FO)		5000

MISSED APPROACH

LP: YIKRU
LNAV: YIKRU

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

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)
3. FAC: 295.28 FAF: PADOH DIST FAF TO MAP: 8.28 THLD: 8.76
4. MIN. ALT: WOLUB 5700, PADOH 4500, FEKUP/5.20 NM TO YIKRU 3260
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 213.00 INBOUND.
CHART FAS OBST: 1639 TREE 385841N/0790556W
CHART FAS OBST: 1779 TREE 385920N/0790542W
2639 AAO 385700N/0790139W
3039 AAO 385619N/0785725W
2599 AAO 385706N/0790137W
WAAS CHANNEL # 58131
REFERENCE PATH ID: W31A
PADOH TO RW31: 3.77/46.0.
CHART CIRCLING ICON.
FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.11 DEGREES.
LTP HAE: 257 M

MAG VAR: 8W EPOCH YEAR: 1990

MINIMUMS

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

ALTERNATE: N A | X |

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	2620	1 1/4	1672	2620	1 1/2	1672	2620	3	1672		NA				
LNAV MDA	2740	1 1/4	1792	2740	1 1/2	1792	2740	3	1792		NA				
CIRCLING	2740	1 1/4	1777	2740	1 1/2	1777	2880	3	1917		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: PROCEDURE NA AT NIGHT
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 948	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PETERSBURG, WV	AIRPORT NAME: GRANT COUNTY	RNAV	RNAV (GPS) Y RWY 31, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X]

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
DONALD E. SMITH (DUSTIN R. DAVIDSON)	**AJV-352**	**12/20/2012**

APPROVED BY

NAME:		FIFO	DATE:
SUSAN CRUMB	**MANAGER**	**AJV-352**	

CHANGES:

REASONS:

THIS PROCEDURE REPLACES GPS RWY 31

QUALITY 4 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	FROM	TO	ALT
1.	205/30 CW 025/30 (NOPT)	205/20 CW 025/20	6200
	205/20 CW 025/20	WOLUB (IF/IAF) (FB)	5700
2.	025/30 CW 115/30	025/15 CW 115/15	7100
	025/15 CW 115/15	HAVEV (IAF) (FB)	6300
3.	115/30 CW 205/30	115/15 CW 205/15 (IAF)	6700
	115/15 CW 205/15	CELAG (IAF) (FB)	5700

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 948	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PETERSBURG, WV	AIRPORT NAME: GRANT COUNTY	RNAV	RNAV (GPS) Y RWY 31, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:

APPROVED BY

NAME:	FIFO	DATE:

CHANGES:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
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
FTP LATITUDE	385921.2165N
FTP LONGITUDE	0790821.3315W
FTP ELLIPSOIDAL HEIGHT	+02570
FPAP LATITUDE	385947.5300N
FPAP LONGITUDE	0791010.5250W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.77
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	70DBACF6

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 948	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PETERSBURG, WV	AIRPORT NAME: GRANT COUNTY	RNAV	RNAV (GPS) Y RWY 31, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:

APPROVED BY

NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ESL   K6011080VDL  N39133177W078592220    N39133177W078592220W0060025901     NARKESSEL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CELAG K60    W     N39023595W078455322                    W0097     NAR           CELAG
        SUSAEAENRT   FEKUP K60    W     N38574033W079012407                    W0096     NAR           FEKUP
        SUSAEAENRT   HAVEV K60    W     N38464447W078521421                    W0096     NAR           HAVEV
        SUSAEAENRT   PADOH K60    W     N38564547W078573786                    W0096     NAR           PADOH
        SUSAEAENRT   WOLUB K60    W     N38544026W078490407                    W0097     NAR           WOLUB
        SUSAEAENRT   YIKRU K60    W     N38591275W079074622                    W0095     NAR           YIKRU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP W99 K6AW99     0     050YHN38594178W079084511W008000963         1800018000C    MNAR    GRANT COUNTY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP W99 K6FR31-Y ACELAG 010CELAGK6EA0E  A    IF                                          18000                A JS
        SUSAP W99 K6FR31-Y ACELAG 020WOLUBK6EA0EE B 010TF                    20540083    + 05700                      A JS
        SUSAP W99 K6FR31-Y AHAVEV 010HAVEVK6EA0E  A    IF                                          18000                A JS
        SUSAP W99 K6FR31-Y AHAVEV 020WOLUBK6EA0EE B 010TF                    02530083    + 05700                      A JS
        SUSAP W99 K6FR31-Y AWOLUB 010WOLUBK6EA0EE AR   HF                    29540050    + 05700     18000            A JS
        SUSAP W99 K6FR31-Y R      010WOLUBK6EA0E  I    IF                                + 05700     18000            A JS
        SUSAP W99 K6FR31-Y R      020PADOHK6EA1E  F 051TF                    29540070    + 04500                      A JS
        SUSAP W99 K6FR31-Y R      020PADOHK6EA2WALP       N          ALNAV                                            JS
        SUSAP W99 K6FR31-Y R      021FEKUPK6EA0E S  031TF                    29530031    V 0326003236       -377      A JS
        SUSAP W99 K6FR31-Y R      030YIKRUK6EA0EY M 031TF                    29530052      01185            -377      A JS
        SUSAP W99 K6FR31-Y R      040         0  M     CA                    2953        + 01363                      A JS
        SUSAP W99 K6FR31-Y R      050ESL   K6D 0VY  R   DF                              + 05000                      A JS
        SUSAP W99 K6FR31-Y R      060ESL   K6D 0VE  L   HM                    21300050    + 05000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP W99 K6GRW31    0050003103 N38592858W079081834+0000    +0257000948000046075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 948	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PETERSBURG, WV	AIRPORT NAME: **GRANT COUNTY**	**RNAV**	**RNAV (GPS) Y RWY 31, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	NFPG	DATE:

APPROVED BY

NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
SUSAP W99 K6PR31-Y RW31 001Y0000W31A0N3859212165W07908213315+025700377N3859475300W079101052501067500000000460F40000070DBACF6
SUSAP W99 K6PR31-Y RW31 002E      +02889+02889LP        58131
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 963 THRE: 948	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PETERSBURG, WV	AIRPORT NAME: GRANT COUNTY	RNAV	RNAV (GPS) Y RWY 31, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CELAG	CELAG	010	IAF	IF		FB					
	CELAG	WOLUB	020		TF		FB	1.0	205.4(197.4T)	008.3	AA 05700	
	HAVEV	HAVEV	010	IAF	IF		FB					
	HAVEV	WOLUB	020		TF		FB	1.0	025.3(017.3T)	008.3	AA 05700	
	WOLUB	WOLUB	010	IAF	HF	R	FO		295.4(287.4T)	005.0	AA 05700	
		WOLUB	010	FACF	IF		FB				AA 05700	
		PADOH	020	FAF	TF		FB	0.5	295.4(287.4T)	007.0	AA 04500	
		FEKUP	021	SDF	TF		FB	0.3	295.3(287.3T)	003.1	AA 03260 GS 03236	
		YIKRU	030	MAP	TF		FO	0.3	295.3(287.3T)	005.2	AT 01185	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		295.3(287.3T)		AA 01363	
	ESL	050		DF	R	FO				AA 05000	
	ESL	060		HM	L	FO		213.0(205.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ESL	N391331.77	W0785922.20	N3913.530	W07859.370
	CELAG	N390235.95	W0784553.22	N3902.599	W07845.887
	FEKUP	N385740.33	W0790124.07	N3857.672	W07901.401
	HAVEV	N384644.47	W0785214.21	N3846.741	W07852.237
	PADOH	N385645.47	W0785737.86	N3856.758	W07857.631
	WOLUB	N385440.26	W0784904.07	N3854.671	W07849.068
	YIKRU	N385912.75	W0790746.22	N3859.213	W07907.770
	RW31	N385928.58	W0790818.34	N3859.476	W07908.306

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	00948	46

CITY AND STATE	ELEVATION: **963** THRE: **948**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PETERSBURG, WV	AIRPORT NAME: **GRANT COUNTY**	**RNAV**	**RNAV (GPS) Y RWY 31, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	NFPG	DATE:

APPROVED BY

NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
STRAIGHT-IN AREA	205/30 CW 025/30	205/20 CW 025/20	1. AAO	383315.00N/0782348.00W	4197 (4E)	2000		6200
			2. TERRAIN	383315.00N/0782348.00W	3997 (4000)		AS1500	5500
STRAIGHT-IN AREA	205/20 CW 025/20	WOLUB	3. AAO	385845.00N/0783751.00W	3488 (4E)	2000	AT212	5700
			4. TERRAIN	385845.00N/0783751.00W	3288 (3300)		AS1500	4800
LEFT BASE AREA	025/30 CW 115/30	025/15 CW 115/15	5. AAO	384200.00N/0793157.00W	5079 (4E)	2000		7100
			6. TERRAIN	384200.00N/0793157.00W	4879 (4900)		AS1500	6400
LEFT BASE AREA	025/15 CW 115/15	HAVEV	7. AAO	384133.00N/0790527.00W	4236 (2C)	2000		6300
			8. TERRAIN	384133.00N/0790527.00W	4036 (4000)		AS1500	5500
RIGHT BASE AREA	115/30 CW 205/30	115/15 CW 205/15	9. AAO	385939.00N/0792542.00W	4613 (4E)	2000		6700
			10. TERRAIN	385939.00N/0792542.00W	4413 (4400)		AS1500	5900
RIGHT BASE AREA	115/15 CW 205/15	CELAG	11. AAO	390203.00N/0785154.00W	3550 (4E)	2000	AT150	5700
			12. TERRAIN	390203.00N/0785154.00W	3350 (3400)		AS1500	4900
INITIAL	HAVEV	WOLUB	13. AAO	385239.00N/0784730.00W	3317 (4E)	1000	PR140 AT1243	5700
			14. TERRAIN	385239.00N/0784730.00W	3117 (3100)		AS1500	4600
2. HOLD-IN-LIEU-OF-PT	WOLUB	P-6	22. AAO	385545.00N/0784354.00W	3439 (4E)	1000	AT1061 PR200	5700
			23. TERRAIN	385545.00N/0784354.00W	3239 (3200)		AS1500	4700
3. MISSED APPROACH MAP:	YIKRU / YIKRU	ESL VOR/DME	24. AAO	390216.71N/0790522.78W	2930 (2C)	ASC		5000
			25. AAO	390604.67N/0790314.80W	3039 (2C)	1000		4100
ELEV:	2430/2550		26. TERRAIN	390604.67N/0790314.80W	2839 (2800)		AS1500	4300
			27. TREE	385832.38N/0790931.65W	1499 (2C)	300	SI	2740
			28. TREE	385840.50N/0791054.77W	1899 (2C)	300	SI	2740
			29. TREE	385743.42N/0791124.36W	2579 (2C)	300		2880

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	1777
CATEGORY B	1.5 NM	450	1777
CATEGORY C	1.7 NM	450	1917
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PETERSBURG, WV	ELEVATION: 963 AIRPORT NAME: GRANT COUNTY	RNAV	RNAV (GPS) Y RWY 31, ORIG	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZDC ARTCC EKN FSS	N W S / OTHER: AWOS-3 F A A A / C	SOURCE: KW99 DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON:		
X V H F X U H F H F	LOCATION: KW99	ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 31 (PCL), 13 (PCL)
	X	REIL 31 (PCL), 13
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 31 (PCL)

6. RUNWAY MARKINGS	BASIC	BSC-G 13
	ALL WEATHER	
	INSTRUMENT	NPI-G 31
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD 3000	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: DONALD E. SMITH (DUSTIN R. DAVIDSON)	DATE: 12/20/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

TERPS PARAGRAPH 289 APPLIED TO 2639 AAO
385700N/0790139W
TERPS PARAGRAPH 289 APPLIED TO 3039 AAO
385619N/0785725W
TERPS PARAGRAPH 289 APPLIED TO 2599 AAO
385706N/0790137W

SEE ATTACHED AIRSPACE LETTER.

AVERAGE VEGETATION HEIGHT ASSUMBED TO BE 100 FT PER FPT.

FINAL OFFSET 15.11 DEGREES DUE TO TERRAIN IN FINAL.

BACKUP ALTIMETER NOT ESTABLISHED DUE TO INTERVENING TERRAIN AND FPT REQUEST. DESCENT GRADIENT CRITERIA CANNOT BE MET WHEN APPLYING BACKUP ALTIMETER ADJUSTMENTS.

KW99 AWOS-3 ON SERVICE A.

25 DEGREE BANK ANGLE USED IN MISSED SEGMENT TO AVOID TERRAIN.

LPV, LNAV/VNAV MINIMA NOT DEVELOPED PER FPT.

VGSI DATA: 6.50/46.0.

1000 FEET OF AIRSPACE REQUIRED IN INTERMEDIATE. VERIFIED THROUGH MAP STUDY NO TERRAIN ABOVE 3049 FEET OUTSIDE OF CLASS E AIRSPACE.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
CAT A: 1.30 NM
CAT B: 1.85 NM
CAT C: 2.95 NM

NO SURVEY FOR RWY 13. 20:1 CANNOT BE VERIFIED; PROCEDURE NA AT NIGHT.

TERPS, VOLUME 1 "VISUAL PORTION OF FINAL" PENETRATIONS:

20:1
R13:
1139 TREE 390008.75N/0790955.31W (3.86).
R31:
1639 TREE 385841.40N/0790555.82W (98.11).
1551 TREE (KW99A019) 385842.10N/0790554.81W (8.65).
34:1
R31:
1519 TREE (KW99A018) 385831.14N/0790604.62W (223.33).
1511 TREE (KW99A020) 385831.83N/0790602.45W (212.17).
1425 TREE (KW99A017) 385819.03N/0790617.66W (135.68).
1197 TREE (KW99A012) 385841.65N/0790705.86W (38.28).
1289 TREE (KW99A016) 385824.63N/0790622.58W (18.24).
1183 TREE (KW99A014) 385841.57N/0790659.22W (11.12).
1168 TREE (KW99A013) 385844.54N/0790702.44W (7.16).
950 FENCE (KW99A004) 385924.84N/0790817.57W (0.72).

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	CELAG	WOLUB	15. AAO	385545.00N/0784624.00W	3229 (4E)	1000	PR150 AT1321	5700
			16. TERRAIN	385545.00N/0784624.00W	3029 (3000)		AS1500	4500
INTERMEDIATE	WOLUB	PADOH	17. AAO	385454.00N/0785339.00W	3314 (4D)	500	PR160 DG526	4500
			18. TERRAIN	385454.00N/0785339.00W	3114 (3100)		AS1000	4100
FINAL: LP	PADOH	FEKUP/5.20 NM TO YIKRU	19. AAO	385644.18N/0785808.95W	2719 (2C)	250	XL138 PR150	3260
FINAL: LP STEPDOWN	FEKUP/5.20 NM TO YIKRU	YIKRU	20. TREE	385841.40N/0790555.82W	1639 (2C)	250	PR90 MA640	2620
FINAL: LNAV	PADOH	FEKUP/5.20 NM TO YIKRU	19. AAO	385644.18N/0785808.95W	2719 (2C)	250	XL138 PR140	3260
FINAL: LNAV STEPDOWN	FEKUP/5.20 NM TO YIKRU	YIKRU	21. TREE	385920.43N/0790542.13W	1779 (2C)	250	PR90 MA620	2740

3. MISSED APPROACH	
MAP:	
ELEV:	

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE	ELEVATION: 963 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PETERSBURG, WV	GRANT COUNTY	RNAV	RNAV (GPS) Y RWY 31, ORIG	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS OTHER:	SOURCE:
	☐ FAA	DISTANCE:
	☐ A/C	HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
☐	**ALS**
☐	**(S) SALS**
☐	**MALS**
☐	**HIRL**
☐	**MIRL**
☐	**REIL**
☐	**TDZ**
☐	**C/LINE**
☐	**OTHER (SPECIFY)**

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	☐ RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐ ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: CELAG **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 390235.95N/0784553.22W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 31			KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Z RWY 31			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 12/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DUSTIN DAVIDSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: FEKUP **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 385740.33N/0790124.07W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 31			KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Z RWY 31			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 06/27/2013

DEVELOPED BY: **DATE:** 12/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DUSTIN DAVIDSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HAVEV **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 384644.47N/0785214.21W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 31			KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Z RWY 31			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 12/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DUSTIN DAVIDSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KESSEL VOR/DME **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 391331.77N/0785922.20W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KESSEL	ESL	VOR/DME	L						5000	29000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	ESL	VOR/DME	033.00	213.00	L	1		5000	14000	5	10
2	NE		WP	033.00	213.00	L		5	5000	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (54-000882)	391024.60N/0791840.30W	4279	5E
1	200	AAO	391006.00N/0790139.00W	2907	4E
2	200	AAO	391006.00N/0790139.00W	2907	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 HIGH TERRAIN WEST OF INBOUND COURSE.
PAT 2 HIGH TERRAIN WES OF INBOUND COURSE.

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6000.

REMARKS:
ESV ON FILE.
PERCIPITOUS TERRAIN EVAL COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TRIXY			KMRB	MARTINSBURG	WV (US)
DP	TAKEOFF MINIMUMS			KW99	PETERSBURG	WV (US)
EN ROUTE	J30					(US)
EN ROUTE	J34					(US)
EN ROUTE	V144					(US)
EN ROUTE	V166					(US)
EN ROUTE	V377					(US)
EN ROUTE	V4					(US)
IAP	LOC-A			KCBE	CUMBERLAND	MD (US)
IAP	LOC/DME RWY 23			KCBE	CUMBERLAND	MD (US)
IAP	LDA-C			KEKN	ELKINS	WV (US)
IAP	LDA/DME-B		1	KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Y RWY 31		2	KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Z RWY 31		2	KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS)-C		2	KW99	PETERSBURG	WV (US)
IAP	VOR/DME-A		1	KW99	PETERSBURG	WV (US)
STAR	NUMMY			KDCA	WASHINGTON	DC (US)
STAR	WESTMINSTER			KBWI	BALTIMORE	MD (US)
STAR	WESTMINSTER			KMTN	BALTIMORE	MD (US)
STAR	NUMMY			KADW	CAMP SPRINGS	MD (US)
STAR	NUMMY			KDAA	FORT BELVOIR	VA (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
1. UPDATED FIX USE.
2. INCREASED PAT 1 MAX HOLDING ALTITUDE FROM 6000 TO 14000.
3. INCREASED PAT 1 MAX TEMPLATE SIZE FROM 5 TO 10.
3. ADDED PAT 2 HOLDING FOR RNAV PROCEDURES.

DEVELOPED BY: **DATE:** 01/02/2013 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DUSTIN DAVIDSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

QUALITY CHECKED

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PADOH **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 385645.47N/0785737.86W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 31			KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Z RWY 31			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:
UPDATED LAT/LONG.
ADDED MODIFIY TO FIX TYPE OF ACTION.
REMOVED FIX MAKE-UP FACILITIES.
UPDATED FIX USE.
UPDATED SIGNATURES.

DEVELOPED BY: **DATE:** 12/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DUSTIN DAVIDSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER:

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: WOLUB **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 385440.26N/0784904.07W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE		WP	115.37	295.37	R		5	5700	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	385545.00N/0784354.00W	3439	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	200

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 31		1	KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Z RWY 31		1	KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 12/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DUSTIN DAVIDSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YIKRU **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 385912.75N/0790746.22W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 31			KW99	PETERSBURG	WV (US)
IAP	RNAV (GPS) Z RWY 31			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/02/2013

DEVELOPED BY: **DATE:** 12/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DUSTIN DAVIDSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER:

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **PETERSBURG** STATE: **WV**

AIRPORT NAME: **GRANT COUNTY** ID: **KW99**

PROCEDURE: **RNAV (GPS) Y RWY 31** AMDT: **ORIG**

DOCKET#:
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from (Enter THLD, FAF, ARP, FACILITY, as appropriate)	**THLD**	to 1000' point	**5.80**
2. Width of (Enter appropriate segment, final, intermediate, etc.)	**FINAL**	segment at 1000' point	**1.47**
3. True Course of	**FINAL**	segment containing 1000' point	**287.28**
4. High Terrain in	**FINAL**	segment containing 1000' point	**2519**
5. Distance from (If 1500' point in PT maneuvering area or holding pattern note in remarks)	**THLD**	to 1500' point	**14.48**
6. Width of	**INTERMEDIATE**	segment at 1500' point	**4.00**
7. True Course of	**INTERMEDIATE**	segment containing 1500' point	**287.28**
8. High Terrain in	**INTERMEDIATE**	segment containing 1500' point	**3114**

9. Threshold Coordinates (if straight-in) ... **385928.59N** / **0790818.34W**

10. ARP Coordinates ..... **385941.78N** / **0790845.11W**

11. Runway Approach End and distance furthest from ARP ..... RWY **33**

Distance **0.25** NM

12. FAF Coordinates ..... **385646.47N** / **0785737.86W**

REMARKS: Approach/Drawing attached.

TAA: HAVEV (IAF) 384644.47N-0785214.21W; CELAG (IAF) 390235.95N-0784553.22W
WOLUB (IF/IAF) 385440.26N-0784904.07W RADIUS: 30 NM

RADIO FIX AND HOLDING DATA RECORD

NAME: EGMIC **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 390004.00N/0784915.13W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	OMGEY					017.46	5.00				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GRANT COUNTY - GPS RWY 31 (FB)			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 12/09/1999

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** BRAD RUSH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NOQAZ **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 385031.10N/0785305.80W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	OMGEY					197.46	5.00				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GRANT COUNTY - GPS RWY 31 (FB)			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 12/09/1999

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** BRAD RUSH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: OMGEY **STATE:** WV **COUNTRY:** US

LATITUDE/LONGITUDE: 385517.57N/0785110.60W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KW99 R31					107.28	14.00				17500

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE		WP	115.40	295.40	R		5	5000	8000	5	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	100' TREE	385555.00N/0784354.00W	3366	2C

REMARKS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GRANT COUNTY - GPS RWY 31 (FB)			KW99	PETERSBURG	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 12/09/1999

REASON FOR REVISION:
UPDATED FORM.
FIX NAME CHANGED FROM EBAWI TO OMGEY.
HOLDING DIRECTION CHANGED TO RIGHT TURNS.
LAT/LONG REVISED.
DELETED 175 K HOLDING PATTERN.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** BRAD RUSH

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZDC
ATC FACILITY:
OTHER:

QUALITY CHECKED