

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
RAPGE (IF/IAF)	WUNES (FB)	280.34 / 6.91	2800	LP: RW28 LNAV: RW28	
WUNES (FAF)	ZODSA/2.40 NM TO RW28 (FB)	280.25 / 3.35		CLIMB TO 3500 DIRECT WILHI AND HOLD.	
ZODSA/2.40 NM TO RW28	RW28 (MAP) (FO)	280.20 / 2.40			
RW28 (MAP)	1328 MSL	280.20	3500		
1328 MSL	WILHI (FO)				

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 100.00 INBOUND.
CHART FAS OBST: 1226 TREE 384931N/0811744W
CHART FAS OBST: 1252 TREE 384923N/0811740W
CHART: 1252 TREE 384923N/0811740W
WAAS CHANNEL # 62928
REFERENCE PATH ID: W28A
WUNES TO RW28: 3.00/40.
LTP HAE: 249.2 M

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E RAPGE, RT, 280.34 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
- FAC: 280.25 FAF: WUNES DIST FAF TO MAP: 5.75 THLD: 5.75
- MIN. ALT: RAPGE 3200, WUNES 2800, ZODSA/2.40 NM TO RW28 1720
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCP: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 8W EPOCH YEAR: 2010

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	1480	1	552	1480	1	552	1480	1 5/8	552	1480	1 5/8	552			
LNAV MDA	1520	1	592	1520	1	592	1520	1 3/4	592	1520	1 3/4	592			
CIRCLING	1560	1	632	1600	1	672	1760	2 1/2	832	1760	2 3/4	832			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, LP AND LNAV CATS C AND D VISIBILITY 1/8 MILE AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)



CITY AND STATE SPENCER, WV	ELEVATION: 928 THRE: 928	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1	SUP:
	AIRPORT NAME: BOGGS FIELD			AMDT: ORIG-A
				DATED 02/11/2010

ALL AFFECTED PROCEDURES REVIEWED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE ROUTINE
COORDINATED WITH: ATA AAT ALPA APA AOPA NBAA OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> ZID, CRW APP CON, AIRPORT MANAGER.		
FLIGHT CHECKED BY		
NAME: CURT ELISON DRAPER	FIFO FIOG	DATE: 03/02/2012
DEVELOPED BY		
NAME: MICHAEL DOJCAK	FIFO AJV-352	DATE: 11/18/2011
APPROVED BY		
NAME: DONALD E. SMITH MANAGER	FIFO AVN-110	DATE: 07/26/2012
CHANGES: <ol style="list-style-type: none"> 1. INITIAL TERMINAL ROUTES VOGUC (IAF) TO RAPGE (IF/IAF) AND UBENY (IAF) TO RAPGE (IF/IAF) DELETED. 2. MODIFIED TAA, LEFT AND RIGHT BASE DELETED. 3. FAF NAME CHANGED FROM NAGDE TO WUNES. 4. INTERMEDIATE TERMINAL ROUTE (IF/IAF) TO (FAF) COURSE CHANGED FROM 280.33 TO 280.34 AND DISTANCE CHANGED FROM 6.20 TO 6.91. 5. FAF MOVED TO RNP PFAF LOCATION AND STEPDOWN FIX ADDED TO FINAL SEGMENT. 6. HOLD IN LIEU INBOUND COURSE CHANGED FROM 280.33 TO 280.34. 7. DISTANCE FAF TO MAP CHANGED FROM 5.66 TO 5.75. 8. MINIMUM ALTITUDE AT (IF/IAF) RAPGE RAISED FROM 3100 TO 3200. 9. MISSED APPROACH HOLD FIX NAME CHANGED FROM ECCEB TO WILHI. 10. LNAV FAS DATA OBSTACLE CHANGED FROM 1360 TREE TO 1252 TREE. 11. FAF TO RW28 GS ANGLE CHANGED FROM 3.05 TO 3.00 AND TCH CHANGED FROM 41 TO 40. 12. LP LINE OF MINIMA ADDED. 13. LNAV MDA LOWERED FROM 1620 TO 1520, HAT LOWERED FROM 692 TO 592 ALL CATS, VIS CAT C LOWERED FROM 2 TO 1 3/4 AND CAT D LOWERED FROM 2 1/4 TO 1 3/4. SEE 8260-10		
REASONS: <ol style="list-style-type: none"> 1. CURRENT CRITERIA REQUIRED EXCESSIVE LEG LENGTHS OVER 10NM. 2. INITIAL ROUTES AND FIXES DELETED DUE TO CURRENT CRITERIA. 3. PER FPT AND ATC REQUEST. 4. EVALUATED SEGMENT TO CURRENT CRITERIA. 5. EVALUATED TO CURRENT CRITERIA USING NEW SURVEY OBSTACLE DATA. 6. UPDATED TO NEW INTERMEDIATE SEGMENT COURSE VALUE. 7. FAF RELOCATED TO RNP LOCATION PER CURRENT CRITERIA. 8. RE-EVALUATED WITH CURRENT CRITERIA AND DATA. 9. REQUESTED BY FPT AND ATC. 10. STEPDOWN FIX ADDED AND FINAL EVALUATED WITH CURRENT CRITERIA AND SURVEY OBSTACLE DATA. 11. RE-EVALUATED WITH CURRENT CRITERIA AND DATA. 12. PER AIRPORT AND FPT REQUEST. 13. RE-EVALUATED WITH STEPDOWN FIX AND CURRENT CRITERIA AND DATA. 14. MINIMUMS RE-EVALUATED WITH CURRENT CRITERIA AND DATA. SEE 8260-10		

QUALITY
 &
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

TAA	FROM	TO	ALT
1.	190/30 CW 010/30 (NOPT)	190/6 CW 010/6	4900
2.	190/6 CW 010/6	RAPGE (IF/IAF) (FB)	3200
3.	010/30 CW 190/30	RAPGE (IF/IAF) (FO)	3800



CITY AND STATE SPENCER, WV	ELEVATION: 928 AIRPORT NAME: BOGGS FIELD	THRE: 928	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1	SUP:
					AMDT: ORIG-A
					DATED: 02/11/2010

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/>

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:

APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:
 CHANGES CONT.
 14. CIRCLING MDA/HAA CAT A LOWERED FROM 1620/692 TO 1560/632, CAT B FROM 1620/692 TO 1600/672 AND CAT C AND D FROM 1820/892 TO 1760/832. 15. CIRCLING VIS CAT C LOWERED FROM 2 3/4 TO 2 1/2 AND CAT D LOWERED FROM 3 TO 2 3/4. 16. SECONDARY ALTIMETER NOTE UPDATED FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE CHARLESTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE LNAV CATS B, C, AND D VISIBILITY 1/4 MILE AND INCREASE CIRCLING CATS B AND C VISIBILITY 1/4 MILE TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, LP AND LNAV CATS C AND D VISIBILITY 1/8 MILE AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

REASONS:
 REASONS CONT.
 15. MINIMUMS RE-EVALUATED WITH CURRENT CRITERIA AND DATA.
 16. MODIFIED NOTE USING CURRENT CRITERIA TO REFLECT CHANGES IN MINIMUMS AND DATA.

8/10/12: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/27/12.
 1. FAS DATA BLOCK CRC REMAINDER CHANGED FROM 6F1BE9D5 TO 611462A0.
 2. ARINC PACKET PP COLUMN 116-123 CHANGED FROM 6F1BE9D5 TO 611462A0.

PDF EDIT: TERMINAL ROUTE WUNES TO ZODSA/2.40 NM TO RW28 (FB) ADDED (FAF) TO FROM COLUMN AND DELETED 1720 FROM ALTITUDE COLUMN. TERMINAL ROUTE RW28/RW28 (MAP) TO 1328 MSL DELETED 1 OF 2 RW28 FROM FROM COLUMN. TERMINAL ROUTE 1328 MSL TO WILHI (FO) CHANGED ALTITUDE COLUMN FROM 1328 TO 3500. LINE 7 DELETED 3.00 FROM GS ANGLE AND 40.0 FROM TCH. ARINC SEGMENT 060WILHI DELETED 020 FROM COLUMN 45-47. ARINC FLIGHT INSPECTION SUMMARY MISSED APPROACH SEGMENT WILHI 060 DELETED 2.0 FROM RNP COLUMN.
 8260-9 PART B - SUPPLEMENTAL DATA #8 DELETED 3.00 FROM GP ANGLE, 927.5 FROM ELEV RWY THRESHOLD AND 40.00 FROM THRESHOLD CROSSING HEIGHT.



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUSW
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W28A
REFERENCE PATH IDENTIFIER (APPROACH ID)	384924.8155N
LTP/FTP LATITUDE	0812027.0675W
LTP/FTP LONGITUDE	+02492
LTP/FTP ELLIPSOIDAL HEIGHT	384928.1800N
FPAP LATITUDE	0812221.0000W
FPAP LONGITUDE	00040.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1360
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	0.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

611462A0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02827
FPAP ORTHOMETRIC HEIGHT	+02827

CITY AND STATE SPENCER, WV	ELEVATION: 928 THRE: 928	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1	SUP:
	AIRPORT NAME: BOGGS FIELD			AMDT: ORIG-A
				DATED: 02/11/2010

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____

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
	RAPGE	RAPGE	010	IAF	HF	R	FO		280.3 (272.3T)	004.0	AA 03200	
		RAPGE	010	FACF	IF		FB				AA 03200	
		WUNES	020	FAF	TF		FB	0.5	280.3 (272.3T)	006.9	AA 02800	
		ZODSA	021	SDF	TF		FB	0.3	280.3 (272.3T)	003.4	AA 01720	GS 01737
		RW28	030	MAP	TF		FO	0.3	280.2 (272.2T)	002.4	AT 00968	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		280.2 (272.2T)		AA 01328	
	WILHI	050		DF		FO				AA 03500	
	WILHI	060		HM	R	FO		100.0 (092.0T)	004.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RAPGE	N384854.91	W0810415.91	N3848.915	W08104.265
	WILHI	N384953.35	W0813709.80	N3849.889	W08137.163
	WUNES	N384911.50	W0811305.63	N3849.192	W08113.094
	ZODSA	N384919.32	W0811722.95	N3849.322	W08117.383
	RW28	N384924.82	W0812027.07	N3849.414	W08120.451

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00928	40



CITY AND STATE SPENCER, WV	ELEVATION: 928 THRE: 928	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1	SUP:
	AIRPORT NAME: BOGGS FIELD			AMDT: ORIG-A
				DATED: 02/11/2010

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	190/30 CW 010/30	190/6 CW 010/6	1. AAO	382642.90N/0803506.50W	2888 (6C)	2000		4900		
			2. TERRAIN	382642.90N/0803506.50W	2688 (2700)		AS1500	4200		
STRAIGHT-IN AREA	190/6 CW 010/6	RAPGE	3. TREE	384159.00N/0810346.00W	1684 (6C)	2000	MT-484	3200		
			4. TERRAIN	384159.00N/0810346.00W	1584 (1600)		AS1500	3100		
STRAIGHT-IN AREA	010/30 CW 190/30	RAPGE	5. TREE	381712.00N/0810406.00W	2299 (4E)	2000	MT-499	3800		
			6. TERRAIN	381712.00N/0810406.00W	2199 (2200)		AS1500	3700		
INTERMEDIATE	RAPGE (IF/IAF)	WUNES	7. AAO	384722.00N/0810430.00W	1559 (2C)	500	AT741	2800		
			8. TERRAIN	384722.00N/0810430.00W	1359 (1400)		AS1000	2400		
FINAL: LP	WUNES	ZODSA/2.40 NM TO	9. AAO	384925.00N/0811532.00W	1460 (2C)	250		1720		
		RW28								
FINAL: LP STEPDOWN	ZODSA/2.40 NM TO	RW28	10. TREE (KUSWT1188)	384931.13N/0811744.37W	1226 (1A)	250		1480		
	RW28									
FINAL: LNAV	WUNES	ZODSA/2.40 NM TO	9. AAO	384925.00N/0811532.00W	1460 (2C)	250		1720		
		RW28								
2. HOLD-IN-LIEU-OF-PT	RAPGE	P-5	12. AAO	384921.00N/0805226.00W	1759 (2C)	1000	AT441	3200		
			13. TERRAIN	384921.00N/0805226.00W	1559 (1600)		AS1500	3100		
3. MISSED APPROACH	MAP:	RW28 / RW28	WILHI				ASC	3500		
	ELEV:	1380/1420		14. TOWER (54-000799)	384904.68N/0812950.99W	1530 (1A)	1000	2600		
				15. TERRAIN	384900.00N/0812403.00W	1199 (1200)		AC1500	2700	
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	ACTUAL	350	632	16. TREE (KUSWT2206)	385008.42N/0811912.70W	1258 (1B)	300	1560
CATEGORY B	1.5 NM			450	672	17. TWR (KUSWT2314)	384854.47N/0812256.10W	1284 (1A)	300	1600
CATEGORY C	1.7 NM			450	832	18. TOWER (54-000739)	384758.75N/0812159.99W	1445 (1A)	300	1760
CATEGORY D	2.3 NM			550	832	18. TOWER (54-000739)	384758.75N/0812159.99W	1445 (1A)	300	1760
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	
CITY AND STATE		ELEVATION: 928		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION		
SPENCER, WV		AIRPORT NAME: BOGGS FIELD		RNAV		RNAV (GPS) RWY 28, AMDT 1		AEA		

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:		2. WEATHER SERVICE		3. ALTIMETER SETTING	
ZID ARTCC CRW APP CON		NWS	OTHER:	SOURCE:KUSW / KCRW	
		FAA	AWOS-3	DISTANCE: 0 / 29.20	
SATISFACTORY ON:		A/C		HOURS REMOTE OPERATION: 0 / 24	
X	VHF	X	UHF	HF	LOCATION: KUSW
		ADJUSTMENT: 0 / 0			
4. MONITOR STATUS	PRIMARY NAVAID:				
	MONITOR POINT:				
	HRS OPTN:	CAT 1			
		CAT 3			
5. APPROACH & RUNWAY LIGHTING	ALS				
	(S) SALS				
	MALS				
	HIRL				
	X	MIRL 10 (PCL), 28 (PCL)			
	X	REIL 10 (PCL), 28 (PCL)			
	TDZ				
C/LINE					
OTHER (SPECIFY)					
6. RUNWAY MARKINGS	BASIC				
	ALL WEATHER PIR-G 10, 28				
	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	X	RUNWAY THRESHOLD		FT. FROM THRESHOLD	
	X	ON CENTERLINE		FT. FROM CENTERLINE	
10. WAIVERS: NONE					

PART C - REMARKS:
VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1.
PARA 251, 20:1 PENETRATION.
PARA 251, 34:1 PENETRATION.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
TERPS PARAGRAPH 289 APPLIED TO 1252 TREE 384923N/0811740W FOR LP SEGMENT ONLY.
VGSI DATA: NONE
RASS PRESSURE PATTERNS SAME
KUSW 928.3, KCRW 980.9
RA = 74.53.
SEE ATTACHED AIRSPACE LETTER.
FPT NOTIFIED, 20:1 AND 34:1 PENETRATIONS.
100' TREES USED PER EST FPO.
TERPS, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
NUMEROUS SURVEY OBSTACLES VERIFIED (SEE ATTACHED LIST)
PROCEDURE NA AT NIGHT DUE TO 20:1 PENETRATIONS AND EST FPT COORDINATION.
100' ADDED TO TERRAIN PER AFS-420 MEMO DATED MARCH 8, 2007.
LPV AND LNAV/VNAV NOT DEVELOPED, GQS PENETRATIONS.
BLOCK 2: AWOS-3 IS NOT ON SERVICE A.
BLOCK 3: KUSW/KCRW; DISTANCE 29.20; HOURS REMOTE OPERATION: 24 HOUR BACKUP; ADJUSTMENT: 74.53; ASOS IS ON SERVICE A.
1000 FT AIRSPACE USED IN INTERMEDIATE SEGMENT TO MAINTAIN 2800 FT MINIMUM ALTITUDE.

PART D - PREPARED BY: MICHAEL DOJCAK	DATE: 11/18/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352



PART B - SUPPLEMENTAL DATA

PART C - REMARKS:

1. COMMUNICATIONS WITH:		2. WEATHER SERVICE		3. ALTIMETER SETTING	
SATISFACTORY ON: <input type="checkbox"/> V H F <input type="checkbox"/> U H F <input type="checkbox"/> H F			N W S	OTHER: SOURCE: DISTANCE: HOURS REMOTE OPERATION:	
			F A A		
			A / C		
		LOCATION:		ADJUSTMENT:	
4.	PRIMARY NAVAID:				
	MONITOR STATUS	MONITOR POINT:			
		HRS OPTN:	CAT 1		
		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			ELEV RWY THRESHOLD:	
	GP ANGLE:			ELEV GP ANTENNA:	
	DISTANCE FROM RWY:			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:	

RADIO FIX AND HOLDING DATA RECORD

NAME: RAPGE STATE: WV COUNTRY: US

LATITUDE/LONGITUDE: 384854.91N/0810415.91W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES		TEMPLATES	
PAT	DIR							MIN	MAX	MIN	MAX
1	E		WP	100.34	280.34	R	4	3200	6000	5	6

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	200	AAO	384921.00N/0805233.00W	1759	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (GPS) RWY 10		1	KUSW	SPENCER	WV (US)
IAP	RNAV (GPS) RWY 28		1	KUSW	SPENCER	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 04/05/2012

REASON FOR REVISION:
FIX MOVED 4860.76 FT EAST ON CENTERLINE.
PAT 1 RAD/CRS/BRG CHANGED FROM 100.33 TO 100.34 AND CRS INBOUND FROM 280.33 TO 280.34.
PAT 1 MINIMUM HOLDING ALTITUDE RAISED FROM 3100 FT TO 3200 FT.
PAT 1 CONTROLLING OBSTRUCTION COORDINATES, ELEVATION AND ACCURACY CODE DATA UPDATED.
FIX USE AIRPORT IDENT UPDATED FROM K14P TO KUSW.

DEVELOPED BY: DATE: 11/08/2011 OFFICE: AJV-352 NAME: MICHAEL DOJCAK

APPROVED BY: DATE: OFFICE: AJV-352 NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: CRW APP CON
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WILHI

STATE: WV

COUNTRY: US

LATITUDE/LONGITUDE: 384953.35N/0813709.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W		WP	280.00	100.00	R	4	3500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (54-000626)	384841.00N/0814325.00W	1463	3C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FIX NAME CHANGED FROM ECCEB TO WILHI PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10		1	KUSW	SPENCER	WV (US)
IAP	RNAV (GPS) RWY 28		1	KUSW	SPENCER	WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

FIX MOVED 4982.92 FT WEST ON CENTERLINE.
PAT 1 RAD/CRS/BRG CHANGED FROM 280.01 TO 280.00 AND CRS INBOUND FROM 100.01 TO 100.00.
FIX NAME CHANGED FROM ECCEB TO WILHI PER ATC REQUEST REMARK ADDED.
FIX USE AIRPORT IDENT UPDATED FROM K14P TO KUSW.

DEVELOPED BY: **DATE:** 11/08/2011 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: CRW APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: WUNES

STATE: WV

COUNTRY: US

LATITUDE/LONGITUDE: 384911.50N/0811305.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX COORDINATES AT RNP PFAF LOCATION.
FIX NAME CHANGED FROM NAGDE TO WUNES PER ATC REQUEST.

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 28

FAC PAT

AIRPORT IDENT
KUSW

CITY
SPENCER

STATE
WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

FIX MOVED 544.94 FT/.09 NM E TO RNP PFAF LOCATION.
REMARK RNP PFAF FORMULA USED TO ESTABLISH FIX CHANGED TO FIX COORDINATES AT RNP PFAF LOCATION.
FIX NAME CHANGED FROM NAGDE TO WUNES PER ATC REQUEST REMARK ADDED.
FIX USE AIRPORT IDENT UPDATED FROM K14P TO KUSW.

DEVELOPED BY:

DATE: 11/08/2011

OFFICE: AJV-352

NAME: MICHAEL DOJCAK

APPROVED BY:

DATE:

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: CRW APP CON
OTHER:

QUALITY
A
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZODSA

STATE: WV

COUNTRY: US

LATITUDE/LONGITUDE: 384919.32N/0811722.95W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 28

FAC PAT

AIRPORT IDENT
KUSW

CITY
SPENCER

STATE
WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/05/2012

DEVELOPED BY: DATE: 11/08/2011

OFFICE: AJV-352

NAME: MICHAEL DOJCAK

APPROVED BY: DATE:

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: CRW APP CON
OTHER:



TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **SPENCER**

STATE: **WV**

AIRPORT NAME: **BOGGS FIELD**

ID: **KUSW**

PROCEDURE: **RNAV (GPS) RWY 28**

AMDT: **1**

DOCKET#: **NOT REQUIRED**

(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 **THLD** to 1000' point **4.08**
(Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
(Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **272.25**
4. High Terrain in **FINAL** segment containing 1000' point **1260**
5. Distance from **THLD** to 1500' point **12.06**
(If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **272.34**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1359**
9. Threshold Coordinates (if straight-in) ... **384924.82N** / **0812027.07W**
10. ARP Coordinates **384925.70N** / **0812055.80W**
11. Runway Approach End and distance furthest from ARP RWY **R28**
Distance **0.37** NM
12. FAF Coordinates **384911.50N** / **0811305.63W**

REMARKS: Approach/Drawing attached.

TAA: RAPGE (IF/IAF) 384854.91N-0810415.91W 30 NM

RADIO FIX AND HOLDING DATA RECORD

NAME: UBENY

STATE: WV

COUNTRY: US

LATITUDE/LONGITUDE: 384356.82N/0810532.86W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 28

FAC

PAT

AIRPORT IDENT
K14P

CITY
SPENCER

STATE
WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/17/2009

DEVELOPED BY:

DATE: 06/19/2009

OFFICE: AVN-101

NAME: EUGENE NEWTON (DAVID DANNER)

APPROVED BY:

DATE:

OFFICE: AVN-110

NAME: PETER GETZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY:
OTHER:

QUALITY
4
CHECKED

CANCELLED

RADIO FIX AND HOLDING DATA RECORD

NAME: VOGUC

STATE: WV

COUNTRY: US

LATITUDE/LONGITUDE: 385356.91N/0810501.65W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 28

FAC

PAT

AIRPORT IDENT
K14P

CITY
SPENCER

STATE
WV (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 12/17/2009

DEVELOPED BY:

DATE: 06/19/2009

OFFICE: AVN-101

NAME: EUGENE NEWTON (DAVID DANNER)

APPROVED BY:

DATE:

OFFICE: AVN-110

NAME: PETER GETZ

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY:
OTHER:

QUALITY
&
CHECKED

CANCELLED