## 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.

	AIRPORT AIRPORT ID UPSHUR COUNTY RGNL W22			<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29				ORIGINAL/AMENDMENT 2C			STATE WV
AIRPORT ELEVATION 1635		<u>TDZE</u> 1635		<b>SUPERSEDE</b> AV (GPS) RW			ORIGINAI	2B	<b>DATED</b> 04/28/2016	MAG VAR 8W	EPOCH YEAR 2005
FACILITY RNAV	COORDINATE	ES OF FACILITIES	ACTUAL EFFECT 20 JUNE 20			ROUTINE CANCEL/SUSPEND			<u>SUSPEND</u>		
TERMINAL ROUTES											
FROM	<u>FIX</u>	<u>TYPE</u>	<u>T0</u>	FIX TYPE	LEG TYPE	FO/FB	<u>RNP</u>	COURSE	_	DISTANCE	ALTITUDE
TYGAR			CIRAX		TF	FB	1.00	181.11		13.66	4600
VELLI			IEKOT		TE	FB	1 00	021.63		25.54	6100

VELLI		JEKOT		TF	FB	1.00	021.63	25.54	6100
CIRAX	IAF	CURAC		TF	FB	1.00	241.45	5.00	4500
JEKOT	IAF	CURAC		TF	FB	1.00	331.42	5.00	4500
CURAC	IF	ECUDO		TF	FB	1.00	286.40	5.98	3400
ECUDO	FAF	FEMBU/2.20 NM TO RW29		TF	FB	0.30	286.32	3.22	
FEMBU/2.20 NM TO RW29		RW29	MAP	TF	FO	0.30	286.32	2.20	
RW29	MAP	1885 MSL		CA			286.32		
1885 MSL		HERIS		DF	FO	1.00			4000

### MISSED APPROACH

MAP:

LPV: DA LNAV/VNAV: DA LNAV: RW29

#### **MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT HERIS AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:** 

OVAL 17 24 CHECKED

	AIRPORT	ID	PROCEDURE NAME	ORIGINAL/AMENDMENT		STATE
UPSHUR COUNTY RGNL	- W22		RNAV (GPS) RWY 29	2C	BUCKHANNON	WV
PROFILE:						
1. PT SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)			
2. PROFILE STARTS AT CURAC						
<b>3. FAC:</b> 286.32 <b>FAF:</b> ECUE	DO <b>E</b>	IST FAF TO MAP: 5.42	DIST FAF TO THL	<b>D:</b> 5.42		
4. MIN ALT: CURAC 4500, ECU	DO 3400, FEMBU/2.20 NM	TO RW29 2360*				
5. DIST TO THLD FROM OM:	MM:	IM: 150 HAT:	GS ANT:			
6. MIN GP INCPT: 3400	GP ALT AT FAF : EC	CUDO 3400	OM:	MM:	IM:	
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	<b>TCH:</b> 40.0			
8. MSA FROM: RW29 5700						

### PBN REQUIREMENTS NOTE:

RNP APCH

### NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°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 ARRIVAL AT TYGAR ON V469 NORTHEAST BOUND AND V166 WESTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VELLI ON V103 SOUTHBOUND AND V128 WESTBOUND. CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

#### ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.38 NM TO RW29\* \*LNAV ONLY WAAS CHANNEL #56624 REFERENCE PATH ID: W29A CHART FAS OBST: 1833 TREE 385915N/0801456W. HOLD W, RT, 106.09 INBOUND LTP HAE: 466.3 M

#### MINIMUMS:

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

ALTERNATE: NA

	STANDARD
--	----------

CATEGORY:		Α			В			С			D			Е	
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	1885	1	250	1885	1	250	1885	1	250		NA				
LNAV/VNAV DA	2125	1 3/4	490	2125	1 3/4	490	2125	1 3/4	490		NA				
LNAV MDA	2100	1	465	2100	1	465	2100	1 3/8	465		NA				
CIRCLING	2240	1	605	2240	1	605	2260	1 3/4	625		NA			UALIT_	

AIRPORT	AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	<u>CITY</u>	STATE
UPSHUR COUNTY RGNL	W22	RNAV (GPS) RWY 29	2C	BUCKHANNON	WV

#### **CHANGES - REASONS**

- 1. CHANGED TYGAR TO CIRAX FEEDER RNP VALUE FROM 2.00 TO 1.00. PER 8260.58A, PARA. 2-3-1.
- 2. CHANGED VELLI TO JEKOT FEEDER RNP VALUE FROM 2.00 TO 1.00. PER 8260.58A, PARA. 2-3-1.
- 3. ADDED "20:1 IS CLEAR" IN PROFILE SECTION. .IAW 8260.19H PARA 8-6-7.G(3).
- 4. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE SECTION. DELETED CHART NOTE: DME/DME RNP-0.3 NA.
- 5. REMOVED FAHRENHEIT TEMPERATURES FROM BARO- VNAV CHART NOTE. .IAW 8260.19H PARA 8-6-9.S.
- 6. REMOVED "NIGHT LANDING: RWY 11 NA" NOTE FROM PLANVIEW. INCORPORATED NOTAM FDC 9/2130.
- 7. CHANGES FROM P-NOTAMS FOR AMDT 2A AND 2B INCORPORATED INTO FORM IAW 8260.19H PARA 8-3-4C(3).

8. UPDATED HELICOPTER VISIBILITY REDUCTION NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA" TO "RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED". - IAW 8260.19H, 8-6-11, K3, 20:1 PENETRATIONS REMOVED.

- 9. REMOVED 1650 TREE 385956N/0801557W FROM ADDITIONAL FLIGHT DATA. NOT REQUIRED.
- 10. REMOVED CHART NOTE: BARO-VNAV NA WHEN USING CLARKSBURG ALTIMETER SETTING, PRIMARY WX ON WMSCR, MOVED TO 8260-9 FOR CONTINGENCY PURPOSES.
- 11. REMOVED CHART NOTE: VDP NA WHEN USING CLARKSBURG ALTIMETER SETTING REMOVED, PRIMARY WX IS WMSCR, MOVED TO BACK OF 8260-9 FOR CONTINGENCY PURPOSES.
- 12. REMOVED ALTERNATE MINIMUMS NOTE B/U ALSTG REMOVED, PRIMARY WX IS WMSCR, MOVED TO BACK OF 8260-9 FOR CONTINGENCY PURPOSES.
- 13. CHANGES FROM P-NOTAMS FOR AMDT 2A AND 2B INCORPORATED INTO FOR REQUIRED IAW 8260.19H PARA 8-3-4C (3).
- 14. UPDATED LPV MINIMUMS FROM 7/8 SM TO 1 SM-UPDATED VISICHECK

Apr 04, 2019

### COORDINATED WITH:

			OTHER: ZDC, CKB API	P CON, ARPT	MGR.		
FLIGHT CHECKED BY PROCESSED IAW AIRCR FLIGHT INSPECTION REV		(AJW-33) MEMO, OCTOBER	3, 2018, SUBJECT:		Digitally signed by ARDELL HENNING	<u>DATE</u>	
DEVELOPED BY WARDELL HENNING (TH	OR CORNELL)		Digitally signed by WARDELL HENNING Apr 04, 2019	OFFICE AJV-A423	Apr 04, 2019 1	<b>DATE</b> 1/14/2018	
APPROVED BY LONNIE EVERHART	Digitally signed by WARDELL HENNING			OFFICE AJV-A430		<u>DATE</u>	<u>TITLE</u> MANAGER

AIRPORT	AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	<u>CITY</u>	<u>STATE</u>
UPSHUR COUNTY RGNL	W22	RNAV (GPS) RWY 29	2C	BUCKHANNON	WV
FAS DATA BLOCK INFORMATION					
DATA FIELD	DATA				
OPERATION TYPE	0				
SBAS SERVICE PROVIDER IDENTIFIER	0				
AIRPORT IDENTIFIER	W22				
RUNWAY	RW29				
APPROACH PERFORMANCE DESIGNATOR	0				
ROUTE INDICATOR					
REFERENCE PATH DATA SELECTOR	0				
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A				
LTP/FTP LATITUDE	385959.17	15N			
LTP/FTP LONGITUDE	0801603.5	000W			
LTP/FTP ELLIPSOIDAL HEIGHT	+04663				
FPAP LATITUDE	390011.95	00N			
FPAP LONGITUDE	0801756.6	200W			
THRESHOLD CROSSING HEIGHT (TCH)	00040.0				
TCH UNITS SELECTOR (METERS OR FEET USE	<b>D)</b> F				
GLIDEPATH ANGLE (GPA)	03.00				
COURSE WIDTH AT THRESHOLD	106.75				
LENGTH OFFSET	1472				
HORIZONTAL ALERT LIMIT (HAL)	40.0				
VERTICAL ALERT LIMIT (VAL)	50.0				
CRC REMAINDER	AEE17899	)			
ADDITIONAL PATH POINT RECORD INFORMATI					
ICAO CODE	K6				
LTP ORTHOMETRIC HEIGHT	+04983				
FPAP ORTHOMETRIC HEIGHT	+04983				

QUALITY 24 SHECKER

\_