

**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</u> UPSHUR COUNTY RGNL	<u>AIRPORT ID</u> W22	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> BUCKHANNON	<u>STATE</u> WV	
<u>AIRPORT ELEVATION</u> 1635	<u>TDZE</u> 1635	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 04/28/2016	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
TYGAR		CIRAX		TF	FB	1.00	181.11	13.66	4600
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:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT CURAC

3. FAC:

286.32

FAF: ECUDO

DIST FAF TO MAP: 5.42

DIST FAF TO THLD: 5.42

4. MIN ALT: CURAC 4500, ECUDO 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 : ECUDO 3400

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 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:	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	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				





**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
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	385959.1715N
LTP/FTP LONGITUDE	0801603.5000W
LTP/FTP ELLIPSOIDAL HEIGHT	+04663
FPAP LATITUDE	390011.9500N
FPAP LONGITUDE	0801756.6200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	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 INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+04983
FPAP ORTHOMETRIC HEIGHT	+04983

