

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> GREENBRIER VALLEY	<u>AIRPORT ID</u> KLWB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> LEWISBURG	<u>STATE</u> WV
<u>AIRPORT ELEVATION</u> 2302	<u>TDZE</u> 2302	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 8W
<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>	<u>EPOCH YEAR</u> 2000

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 133/30 CW 313/30	NOPT	133/5 CW 313/5		7100
2. 133/5 CW 313/5		HODFU	IF/IAF	6300
3. 313/30 CCW 133/30		313/5 CCW 133/5		6800
4. 313/5 CCW 133/5		HODFU	IF/IAF	6300

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>
HODFU	IF/IAF	ERAHI		TF	FB	1.00	223.39	3.50	5200
ERAHI		DENLE		TF	FB	1.00	223.37	3.50	4100
DENLE	FAF	RW22	MAP	TF	FO	0.30	223.34	5.49	
RW22	MAP	2614 MSL		CA			223.34		
2614 MSL		RUFYO		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT RUFYO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE HODFU, RT, 223.39 INBOUND, 6300 FT. IN LIEU OF PT (IF/IAF), MAX 8000.

3. FAC: 223.34 FAF: DENLE DIST FAF TO MAP: 5.49 DIST FAF TO THLD: 5.49

4. MIN ALT: HODFU 6300, ERAHI 5200, DENLE 4100

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 312 HAT: 0.83 GS ANT: MM: IM:

6. MIN GP INCPT: 4100 GP ALT AT FAF : DENLE 4100 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 58.4

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 52°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.16 NM TO RW22*
*LNAV ONLY
WAAS CHANNEL #99441
REFERENCE PATH ID: W22A
CHART FAS OBST: 2452 TREE 375135N/0802259W.
2680 AAO 375612N/0801842W.
HOLD SW, RT, 043.21 INBOUND
LTP HAE: 667.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1000-3, CAT D 1300-3

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	2614	7/8	312	2614	7/8	312	2614	7/8	312	2614	7/8	312			
LNAV/VNAV DA	2723	1 1/4	421	2723	1 1/4	421	2723	1 1/4	421	2723	1 1/4	421			
LNAV MDA	2720	1	418	2720	1	418	2720	1 1/8	418	2720	1 1/8	418			
CIRCLING	2840	1	538	3040	1	738	3280	3	978	3580	3	1278			



CHANGES - REASONS

ADDED PBN EQUIPMENT NOTE: "RNP APCH." - 8260.19.
ADDED NOTE: 20:1 IS CLEAR. - 20:1 OBSTACLES REMOVED.
ADDED 8000 MAX HOLDING AT HODFU - 8260.19.
CHANGED APT ELEV AND TDZE TO 2302. - CHANGE IN DA.
CHANGED LPV DA/HAT FROM 2613/312 TO 2614/311. - CHANGE IN DA.
CHANGED VDP DISTANCE FROM 1.09 TO "1.16" - CHANGE IN MDA.
CHANGED LNAV/VNAV DA/HAT FROM 2722/421 TO 2723/420. - CHANGE IN TDZE.
CHANGED LNAV MDA/HAT TO 2720/418 VISIBILITY CAT C 1 1/8. - CONTROLLING OBSTACLE HEIGHT RAISED FROM 2446 TO 2452.
CHANGED CIRCLING HAA'S TO: CAT A 538, CAT B 738, CAT C 978, AND CAT D 1278. - CHANGE IN APT ELEV.
CHANGED FAS OBS ELEVATION FROM 2446 TO 2452. - DATA BASE UPDATE.
CHANGED CRC FROM 9FE20924 TO 594F56F7 - LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +06673 TO "+06674".
CHANGED CA ALTITUDE FROM 2613 TO 2614 - LOWEST DA.
DELETE NOTE: DME/DME RNP-0.3 NA. - REPLACED BY PBN EQUIPMENT NOTE "RNP APCH."

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: LWB ATCT, ZDC

FLIGHT CHECKED BY

JORGE A MALCUN

Digitally signed by
DAVID TEFFETELLER
Apr 05, 2019

OFFICE
FICO

DATE
4/3/19

DEVELOPED BY

HOWARD L. HAWKINS, JR.

Digitally signed by
DAVID TEFFETELLER
Apr 05, 2019

OFFICE
AJV-5433

DATE
08/29/2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
DAVID TEFFETELLER
Apr 05, 2019

OFFICE
AJV-5430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLWB
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	375158.1550N
LTP/FTP LONGITUDE	0802332.9125W
LTP/FTP ELLIPSOIDAL HEIGHT	+06674
FPAP LATITUDE	375045.3490N
FPAP LONGITUDE	0802437.9135W
THRESHOLD CROSSING HEIGHT (TCH)	00058.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	594F56F7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+06988
FPAP ORTHOMETRIC HEIGHT	+06988

