

**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 ID</u> LWB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 2	<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SUPERSEDED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> 1A	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 134/30 CW 314/30	NOPT	134/5 CW 314/5		7100
2. 134/5 CW 314/5		HODFU	IF/IAF	6300
3. 043/30 CW 134/30		043/5 CW 134/5		6800
4. 043/5 CW 134/5		HODFU	IF/IAF	6300
5. 314/30 CW 043/30		BASSH	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>
BASSH	IAF	HODFU	NOPT	TF	FB	1.00	313.52	12.21	6300
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	LARSS/1.79 NM TO RW22		TF	FB	0.30	223.34	3.70	
LARSS/1.79 NM TO RW22		RW22	MAP	TF	FO	0.30	223.34	1.79	
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 (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, LARSS/1.79 NM TO RW22 2920													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		312 HAT:	0.82	GS ANT:				
6.	MIN GP INCPT:	4100	GP ALT AT PFAF:	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 - GPS.

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 54°C.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 043.23 INBOUND.
CHART ARRIVAL HOLDING AT BASSH: HOLD SE, LT, 313.52 INBOUND, 6300.
CHART FAS OBST: 2469 TREE 375227N/0802212W.
CHART VDP AT 1.16 NM TO RW22.
WAAS CHANNEL # 99441
REFERENCE PATH ID: W22A
CHART CIRCLING ICON.
LTP HAE: 667.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1000-3, CAT D 1400-3

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	3700	3	1398			



CHANGES - REASONS

1. CHANGED TAA STRAIGHT-IN COURSES FROM "133" AND "313" TO "134" AND "314" -- ALIGNED TO NEW LEFT BASE FROM BASSH.
2. ADDED LEFT BASE TAA AT BASSH AND INITIAL FROM BASSH IN TERMINAL ROUTES -- ATC REQUEST.
3. CHANGED 312 HAT FROM "0.83" TO 0.82" IN PROFILE LINE 5 -- RECALCULATION.
4. CHANGED "RNP APCH" TO "RNP APCH - GPS" IN PBN REQUIREMENTS NOTES -- UPDATED IAW 8260.19J, 8-6-8.D(5)(A)1 AND 8260.58C, TABLE 1-2-1.
5. CHANGED UNCOMPENSATED BARO-VNAV NOTE HIGH TEMPERATURE FROM "52C" TO "54C" -- RECALCULATION.
6. CHANGED MA HOLDING INBOUND COURSE FROM "043.21" TO "043.23" IN ADDITIONAL FLIGHT DATA -- UPDATED TO MATCH RUFYO HOLDING PATTERN.
7. ADDED ARRIVAL HOLDING AT BASSH IN ADDITIONAL FLIGHT DATA -- ATC REQUEST.
8. CHANGED CHART FAS OBST FROM "2452 TREE 375135N/0802259W" TO "2469 TREE 375227N/0802212W" IN ADDITIONAL FLIGHT DATA -- UPDATED CONTROLLING OBSTACLE.
9. DELETED 7:1 EXCLUDED OBSTACLE "2680 AAO 375612N/0801842W" IN ADDITIONAL FLIGHT DATA -- UPDATED IAW 8260.19J, 8-6-11.E(2) MEMO.
10. DELETED VDP ASTERISK AND "* LNAV ONLY" IN ADDITIONAL FLIGHT DATA -- UPDATED IAW 8260.19J, 8-6-7.D.
11. CHANGED ALTERNATE MINIMUMS CAT D FROM "1300-3" TO "1400-3" -- CIRCLING CAT D HAA INCREASED.
12. ADDED LNAV SDF "LARSS/1.79 NM TO RW22" IN TERMINAL ROUTES AND PROFILE LINE 4 -- TO AVOID INCREASING LNAV MINIMUMS PER FPT REQUEST.
13. CHANGED CIRCLING CAT D CMDA/HAA FROM "3580/1278" TO "3700/1398" -- NEW CONTROLLING OBSTACLE.
14. FAS DATA: CRC REMAINDER CHANGED FROM "594F56F7" TO "98E623B8" -- FPAP COORDINATES CHANGED FROM "375045.3490N/0802437.9135W" TO "375045.3450N/0802437.9070W".

COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: LWB ATCT, ZDC

FLIGHT CHECKED BY

DARRYL J WILSON

Digitally signed by

RAKE MCGRAW

Oct 25, 2024

OFFICE

AJF

DATE

10/22/2024

DEVELOPED BY

ALLAN WILL (DANIEL C JOHNSEN)

Digitally signed by

RAKE MCGRAW

Oct 25, 2024

OFFICE

AJV-A423

DATE

06/24/2024

APPROVED BY

ALLAN WILL

Digitally signed by

RAKE MCGRAW

Oct 25, 2024

OFFICE

AJV-A423

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
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	375045.3450N
FPAP LONGITUDE	0802437.9070W
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	98E623B8

ADDITIONAL PATH POINT RECORD INFORMATION

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

