

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE VOR STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.23

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
BLF	VOR RWY 23	5E	BLUEFIELD	WV		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
2857	2857	VOR RWY 23	5D	10/07/2021	3W	1965
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
BLF			ROUTINE			

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>
ESTEM/BLF 16.56 DME	IAF	DROWE/BLF 11.00 DME	NOPT				224.61 (BLF R-045)	5.55	5600
KEGLY/BLF 11.00 DME CW	IAF	DROWE/BLF 11.00 DME	NOPT				11.00 DME ARC		5600
HECKE/BLF 11.00 DME CCW	IAF	DROWE/BLF 11.00 DME	NOPT				11.00 DME ARC		5600
DROWE/BLF 11.00 DME	IF	RIBVE/BLF 4.00 DME					224.61 (BLF R-225)	7.00	4300

MISSED APPROACH

MAP:

BLF VOR/DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3800 THEN CLIMBING RIGHT TURN TO 6000 ON HEADING 020 AND BLF R-340 TO KEGLY/BLF 11.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** L **SIDE OF COURSE** 044.61 **OUTBOUND** 5100 **FT WITHIN** 10 **MILES OF** BLF VOR/DME (IAF)
- 2.
3. **FAC:** 224.61 **FAF:** RIBVE/BLF 4.00 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 4.50
4. **MIN ALT:** RIBVE/BLF 4.00 DME 4300
8. **MSA FROM:** BLF VOR/DME 6000



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: VDP NA WHEN USING BECKLEY ALTIMETER SETTING.

CHART NOTE: CIRCLING NA SE OF RWY 5-23.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BKW ALTIMETER SETTING AND INCREASE ALL MDAS 460 FEET; INCREASE S-23 ALL VISIBILITIES 1 1/4 SM AND CIRCLING VISIBILITY CAT A/B/C 3/4 SM.

ADDITIONAL FLIGHT DATA:

CHART 5600 PRIOR TO BLF VOR/DME IN PROFILE.

RIBVE TO RW23: 2.91/55.

HOLD S, LT, 339.54 INBOUND.

CHART FAS OBST: 3075 TREE 372146N/0810936W.

CHART VDP AT 1.16 DME.

DISTANCE VDP TO THLD 1.66 NM.

CHART BLF R-340 AT KEGLY.

CHART BLF R-122 AT HECKE.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
S-23	3440	1	583	3440	1	583	3440	1 3/4	583	3440	1 3/4	583			
CIRCLING	3440	1	583	3460	1	603	3640	2 1/4	783	3780	3	923			

CHANGES - REASONS

1. REMOVED INITIAL FROM BKW VOR/DME TO DROWE/BLF 11.00DME. – BKW VOR/DME DECOMISSIONING.

2. UPDATED ALTERNATE ALTIMETER NOTE FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE ALL MDA 460 FEET; INCREASE S-23 VISIBILITY CAT A 1/4 SM, CAT B 1/2 SM, CAT C 1 1/2 SM, CAT D 1 1/4 SM; INCREASE CIRCLING VISIBILITY CAT A 1/4 SM, CAT B 1/2 SM, CAT C 3/4 SM” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BKW ALTIMETER SETTING AND INCREASE ALL MDAS 460 FEET; INCREASE S-23 ALL VISIBILITIES 1 1/4 SM AND CIRCLING VISIBILITY CAT A/B/C 3/4 SM.” – IAW 8260.3F TABLE 3-3-1/3; IAW 8260.19J 8-6-10 F(4).

3. UPDATED S-23 CAT C VISIBILITY FROM 1 1/2 TO 1 3/4. - IAW 8260.3F TABLE 3-3-1.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZID, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by

CASIMIR L TABAKA

OFFICE

DATE

DEVELOPED BY

JOSEPH L. ZEDER (BARBARA GORMAN)

Digitally signed by

CASIMIR L TABAKA

Nov 26, 2024

OFFICE

AJV-A432

DATE

09/12/2024

APPROVED BY

JOSEPH L. ZEDER

Digitally signed by

CASIMIR L TABAKA

Nov 26, 2024

OFFICE

AJV-A430

DATE

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
BLF	VOR RWY 23	5E	BLUEFIELD	WV	2857	BLF

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM ESTEM/BLF 16.56 DME **TO** DROWE/BLF 11.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	5.55				

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	372655.37N/0805929.90W	3280				1000				AT1320	5600
TERRAIN	372655.37N/0805929.90W	3080 (3100)								AS1500	4600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: ARC

FROM KEGLY/BLF 11.00 DME CW **TO** DROWE/BLF 11.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TWR (54-000163)	373037.32N/0811315.88W	3808	20	3	1A	1000				AT792	5600
TERRAIN	373039.00N/0811257.00W	3559 (3600)								AS1500	5100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL: ARC

FROM

HECKE/BLF 11.00 DME CCW

TO

DROWE/BLF 11.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	371733.58N/0805848.80W	4269	50	20	2C	1000				PR97	5400
TERRAIN	371733.58N/0805848.80W	4069 (4100)								AS1500	5600

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

DROWE/BLF 11.00 DME

TO

RIBVE/BLF 4.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	7.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	372243.32N/0810847.84W	3177	50	20	2C	500				DG623	4300
TERRAIN	372243.32N/0810847.84W	2977 (3000)								AS1000	4000

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: PT

FROM

10 NM

TO

RIBVE/BLF 4.00 DME

<u>RNP</u>	<u>DISTANCE</u> 10.00	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	372243.32N/0810847.84W	3177	50	20	2C	500				DG623	4300
TERRAIN	372243.32N/0810847.84W	2977 (3000)								AS1000	4000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM

RIBVE/BLF 4.00 DME

TO

BLF VOR/DME

<u>RNP</u>	<u>DISTANCE</u> 4.00	<u>PAT</u>	<u>MAP</u> BLF VOR/DME		<u>HAT</u> 583		<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	372145.64N/0810936.13W	3075	50	20	2C	250				PR100	3440

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



ENTRY ZONE

FROM

BLF VOR/DME

TO

10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	371236.79N/0811518.26W	4359	50	20	2C	1000				AT241	5600
TERRAIN	371236.79N/0811518.26W	4159 (4200)								AS1000	5200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM

BLF VOR/DME

TO

10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TWR (54-000163)	373037.32N/0811315.88W	3808	20	3	1A	1000				AT292	5100
TERRAIN	373039.00N/0811257.00W	3559 (3600)								AS1500	5100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH

FROM

BLF VOR/DME

TO

KEGLY/BLF 11.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
								3090			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				6000
TWR (54-001195)	372346.96N/0811913.36W	3775	250	50	4D	1000					4800
TERRAIN	372521.00N/0811832.00W	3429 (3400)								AS1500	4900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (54-022289)	371632.44N/0811330.09W	1.34	583	3041	50	20	2C	300		SI	3440
CATEGORY B											
TREE	371616.74N/0811412.62W	1.91	603	3147	50	20	2C	300			3460
CATEGORY C											
TOWER (54-022140)	372028.00N/0811217.00W	3.01	783	3339	20	3	1A	300			3640
CATEGORY D											
AAO	372151.22N/0811054.11W	3.94	923	3468	50	20	2C	300			3780

CIRCLING REMARKS:

MSA

CENTER

BLF VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	370527.00N/0812442.00W	222	16.6	4925	250	125	4E	1000			6000

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100' PR ADJUSTMENT IN FINAL. IAPA PR TOOL DOES NOT REQUIRE ANY ADJUSTMENT TO FINAL/CIRCLING MINIMUMS. THE ONLY ADJUSTMENT IDENTIFIED BY IAPA IS ON THE 11 DME CCW ARC FROM HECKE TO DROWE OF 97 FEET. LOCAL PILOTS WERE POLLED AND THEY WANT TO MAINTAIN THE ADJUSTMENT FOR SAFETY. EST FPO (BOBBY MCCULLAR 404-305-7407) CONCURS, 12/13/2007. FINAL PR ADJUSTMENT REDUCED 25 FEET TO MAINTAIN CURRENT MDAS.

LEFT TURN HOLDING AT KEGLY ATC REQUEST.

EXCEPT FOR SURVEYED TREES, ALL ARE 100' ASR PER EST FPT STANDING POLICY.

ADJUSTMENT TO CONTROLLED AIRSPACE AROUND AIRPORT REQUIRED. FAC CHANGES FROM 230.73 (M) TO 224.61 (M).

CIRCLING SOUTHEAST OF RWY 5-23 NA DUE TO HIGH TERRAIN AND OBSTRUCTIONS.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZID ARTCC

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	BLF	0	BLF	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	BKW	24	BKW	29.77	Y	443

WX REMARKS:

RASS PRESSURE PATTERNS NOT THE SAME
HIGH TERRAIN 3773, LOW TERRAIN 1099
RA = 442.7.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
BLF VOR/DME	AOCC	24	1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW05 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)	NPI-F	
RW23 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
					3.00	65.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☐	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CHART ALTERNATE ALTIMETER NOTE - FPT REQUEST.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	FACILITY	TO 1000FT POINT	3.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.30
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	221.61
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3000
DISTANCE FROM		TO 1500FT POINT	**
WIDTH OF		SEGMENT AT 1500FT POINT	
TRUE COURSE OF		SEGMENT CONTAINING 1500FT POINT	
HIGH TERRAIN IN		SEGMENT CONTAINING 1500FT POINT	

THRESHOLD COORDINATES (IF STR-IN)	371802.87N/0811207.48W
ARP COORDINATES	371745.41N/0811227.07W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 23 DISTANCE 0.40 NM
FAF COORDINATES	372122.82N/0810819.46W
FIX NAME COORDINATES	

REMARKS

*1500' POINT IN PT MANEUVERING AREA.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOSEPH L. ZEDER (BARBARA GORMAN)	AJV-A432	09/12/2024	AERONAUTICAL INFORMATION SPECIALIST

