

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR/DME 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> W99	<u>PROCEDURE NAME</u> VOR/DME -A	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> PETERSBURG	<u>STATE</u> WV		
<u>AIRPORT ELEVATION</u> 963	<u>TDZE</u>	<u>SUPERSEDED</u> VOR/DME-A	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 06/17/2021	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> ESL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
ESL VOR/DME	IF/IAF	EJOCU/ESL 8.00 DME					213.21	8.00	4000

MISSED APPROACH

MAP:

WUKVO/ESL 15.59 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 5000 DIRECT ESL VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE ESL VOR/DME, LT, 213.00 INBOUND, 5000 FT. IN LIEU OF PT (IAF), MAX 14000.
3. FAF: 213.21 FAF: EJOCU/ESL 8.00 DME DIST FAF TO MAP: DIST FAF TO THLD:
4. MIN ALT: ESL VOR/DME 5000, EJOCU/ESL 8.00 DME 4000, GNATT/ESL 13.00 DME 3500
8. MSA FROM: ESL VOR/DME 140-320 6100, 320-140 4600

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON ESL VOR/DME AIRWAY RADIALS 061 CW 103.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
FAS OBST: 2519 AAO 390151N/0790523W.
FAC CROSSES MIDPOINT OF RWY 13-31.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 2200-2, 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
CIRCLING	3100	1 1/4	2137	3100	1 1/2	2137		NA			NA				

CHANGES - REASONS

1. REMOVED CAT C MINIMUMS - PER FPT/ATC
2. ADDED CAT A/B 2200 - 2 NA WHEN LOCAL WEATHER NOT AVAILABLE - IAW 8260.19I PARA 8-6-11 PARA B(4)
3. REMOVED 7.59 DISTANCE FROM FAF TO MAP - NOT REQUIRED

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDC, APT MGR

FLIGHT CHECKED BY

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

DEVELOPED BY

ROSE BOONE-WALT

Digitally signed by
ROSE BOONE-WALT
Feb 10, 2023

APPROVED BY

JASON KRETSCHMER

Digitally signed by
JASON KRETSCHMER
Feb 21, 2023

OFFICE

OFFICE

AJV-A421

OFFICE

AJV-A421

DATE

DATE

02/01/2023

DATE

Digitally signed by
JASON KRETSCHMER
Feb 21, 2023

TITLE

MANAGER



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

<u>AIRPORT ID</u> W99	<u>PROCEDURE NAME</u> VOR/DME -A	<u>AMDT NO.</u> 2D	<u>CITY</u> PETERSBURG	<u>STATE</u> WV	<u>AIRPORT ELEVATION</u> 963	<u>FACILITY</u> ESL
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM
ESL VOR/DME (IF/IAF)

TO
EJOCU/ESL 8.00 DME

<u>RNP</u>	<u>DISTANCE</u> 8.00	<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>
1.AAO	390604.67N/0790314.80W		3039	50	20	2C	500				AT461	4000
2.TERRAIN	390604.67N/0790314.80W		2839 (2800)								AS1000	3800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM
EJOCU/ESL 8.00 DME

TO
GNATT/ESL 13.00 DME

<u>RNP</u>	<u>DISTANCE</u> 5.00	<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>
1.AAO	390604.67N/0790314.80W		3039	50	20	2C	250				DG120 XL80	3500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

QUALITY
10
CHECKED

FINAL: STEPDOWN

FROM
GNATT/ESL 13.00 DME

TO
WUKVO/ESL 15.59 DME

RNP	DISTANCE 2.59	PAT	MAP WUKVO/ESL 15.59 DME	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.AAO	390151.37N/0790522.63W		2519	50	20	2C	250				XP331	3100

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:
XP: VOR SERVICE VOLUME
HOLD-IN-LIEU OF PT

FROM
KESSEL VOR/DME

TO
P-6

RNP	DISTANCE	PAT P-6	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.AAO	391006.00N/0790139.00W		2907	164	98	4E	1000				AT1093	5000
5.TERRAIN	391006.00N/0790139.00W		2707 (2700)								AS1500	4200

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



MISSED APPROACH

FROM
WUKVO/ESL 15.59 DME

TO
ESL VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2850					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5000
6.AAO	391444.80N/0790657.36W		3159	50	20	2C	1000					4200
7.TERRAIN	391444.80N/0790657.36W		2959 (3000)								AS1500	4500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
8.TREE	385832.38N/0790931.65W	1.31	2137	1499	50	20	2C	300		SI	3100
CATEGORY B											
9.TREE	385840.50N/0791054.77W	1.85	2137	1899	50	20	2C	300			3100

CIRCLING REMARKS:

MSA

CENTER	RADIUS
ESL VOR/DME	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
140-320	AAO	385545.00N/0792721.00W	237	28.1	5036	164	98	4E	1000			6100
320-140	WIND(24-020136) (24-020136)	392536.96N/0791538.41W	320	17.5	3569	500	125	5E	1000			4600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZDC ARTCC

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KW99	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KW99	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
BACKUP ALTIMETER NOT ESTABLISHED DUE TO INTERVENING TERRAIN AND FPT REQUEST. DESCENT GRADIENT CRITERIA CANNOT BE MET WHEN APPLYING BACKUP ALTIMETER ADJUSTMENTS.

<u>PRIMARY NAVAID</u> ESL VOR/DME	<u>MONITOR POINT</u> OCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW13 - MIRL (PCL), REIL (PCL)		BSC-F	
RW31 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-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>
<u>FINAL APPROACH COURSE AIMING</u>						
RUNWAY THRESHOLD	<input type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE			
ON CENTERLINE	<input type="checkbox"/>	FT FROM CENTERLINE				
<u>CRITICAL TEMPERATURES</u>						
<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>			

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
AVERAGE VEGETATION HEIGHT ASSUMED TO BE 100 FEET PER FPT.
VDP NOT ESTABLISHED - FINAL IS CIRCLING ONLY.
SEE ATTACHED AIRSPACE LETTER.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<div>AIRPORT ID W99</div>	<div>PROCEDURE NAME VOR/DME -A</div>	<div>AMDT NO. 2D</div>	<div>CITY PETERSBURG</div>	<div>STATE WV</div>	<div>AIRPORT ELEVATION 963</div>	<div>FACILITY ESL</div>
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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	MAP	TO 1000FT POINT	7.60
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.83
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	207.21
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2840
DISTANCE FROM	MAP	TO 1500FT POINT	14.20
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	2.10
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	207.21
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2840

THRESHOLD
COORDINATES
(IF STR-IN)

ARP COORDINATES385941.80N/0790845.10W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 31 DISTANCE 0.25 NM

FAF
COORDINATES390624.41N/0790404.17W

FIX NAME
COORDINATES

REMARKS

QUALITY
10
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> ROSE BOONE-WALT	<u>OFFICE</u> AJV-A421	<u>DATE</u> 02/01/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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