

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</u> GARRETT COUNTY	<u>AIRPORT ID</u> 2G4	<u>PROCEDURE NAME</u> VOR RWY 9	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> OAKLAND	<u>STATE</u> MD	
<u>AIRPORT ELEVATION</u> 2933	<u>TDZE</u> 2933	<u>SUPERSEDED</u> VOR/DME RWY 9	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 07/21/2016	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> MGW	<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>
MGW VOR/DME	IAF	MOHLR/MGW 12.00 DME					091.57	12.00	5000
MOHLR/MGW 12.00 DME	IF	LEASE/MGW 19.00 DME					091.57	7.00 (MGW R-092)	4600

MISSED APPROACH

MAP:

MGW 23.97 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 THEN CLIMBING RIGHT TURN TO 5000 DIRECT MGW VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- PROFILE STARTS AT MGW VOR/DME
- 3. FAC:** 091.57 **FAF:** LEASE/MGW 19.00 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 4.97
- 4. MIN ALT:** MGW VOR/DME 5000, MOHLR/MGW 12.00 DME 5000, LEASE/MGW 19.00 DME 4600
- 8. MSA FROM:** MGW VOR/DME 180-270 4400, 270-360 3600, 360-180 5000

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: RWY 09 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MGW VOR/DME AIRWAY RADIALS 101 CW 121.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORGANTOWN ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET; INCREASE S-09 CAT B AND CIRCLING CAT A AND B VISIBILITY 1/4 SM AND S-09 AND CIRCLING CAT C VISIBILITY 1 SM.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
LEASE TO RW09: 3.08/44.
CHART FAS OBST: 3199 TREE 393255N/0792209W.
HOLD W, RT, 091.57 INBOUND

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

ALTERNATE: NA ☐ STANDARD - 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-09	3460	1	527	3460	1	527	3460	1 1/2	527		NA				
CIRCLING	3460	1	527	3460	1	527	3500	1 1/2	567		NA				

CHANGES - REASONS

1. CHANGED ALL REFERENCE FROM MGW VORTAC TO MGW VOR/DME - VORTAC FACILITY CONVERTED TO VOR/DME FACILITY.
2. ADDED EQUIPMENT REQUIREMENT NOTE DME REQUIRED - IAW 8260.19H PARA 8-6-8.
3. INCORPORATED CHANGES FROM ORIG-A - IAW 8260.19H PARA 8-3-4C (2).
4. UPDATED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED TO CHART NOTE: RWY 09 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - IAW 8260.19H PARA 8-6-11 K (3).
5. UPDATED CHART NOTE CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORGANTOWN ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET. INCREASE S-09 CAT B AND CIRCLING CAT B VISIBILITY TO 1 1/4 MILE AND S-09 CAT C AND CIRCLING CAT C VISIBILITY TO 2 1/2 MILE TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORGANTOWN ALTIMETER SETTING AND INCREASE ALL MDA 300 FEET; INCREASE S-09 CAT B AND CIRCLING CAT A AND B VISIBILITY 1/4 SM AND S-09 AND CIRCLING CAT C VISIBILITY 1 SM - IAW 8260.19H PARA 8-6-11 N.
6. PROCEDURE NAME CHANGED FROM VOR/DME RWY 9 TO VOR RWY 9 - IAW 8260.3D PARA SECTION 1-6 NAMING CONVENTION.
7. DELETED ALTERNATE MINIMUMS NA - IAW FAA 8260.19H PARA 8-6-9 F (7).
8. ADDED: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE - IAW 8260.19D PARA 8-6-11 B (4).

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB, ZDC, CKB APP CON, AMGR

FLIGHT CHECKED BY
PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY
FRANK JACKSON JR
*Digitally signed by
FRANK JACKSON
Mar 10, 2019*

APPROVED BY
PATRICK MULQUEEN
*Digitally signed by
DONALD H LANIER
Mar 11, 2019*

*Digitally signed by
DONALD H LANIER
Mar 11, 2019*

OFFICE
AJV-A431
DATE
02/11/2019

OFFICE
A43
DATE
TITLE
MANAGER



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

<u>AIRPORT</u> GARRETT COUNTY	<u>AIRPORT ID</u> 2G4	<u>PROCEDURE NAME</u> VOR RWY 9	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> OAKLAND	<u>STATE</u> MD	<u>AIRPORT ELEVATION</u> 2933	<u>FACILITY</u> MGW
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
MGW VOR/DME

TO
MOHLR/MGW 12.00 DME

<u>RNP</u>	<u>DISTANCE</u> 12.00	<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	393154.00N/0794303.00W		2573	164	98	4E	1000				AT1427	5000
2.TERRAIN	393154.00N/0794303.00W		2373 (2400)								AS1500	3900

COMPUTATIONS

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

INTERMEDIATE

FROM
MOHLR/MGW 12.00 DME

TO
LEASE/MGW 19.00 DME

<u>RNP</u>	<u>DISTANCE</u> 7.00	<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>
3.AAO	393215.00N/0793251.00W		3317	164	98	4E	500				AC98	4000
4.TERRAIN	393215.00N/0793251.00W		3117 (3100)								AS1500	4600

COMPUTATIONS

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



FINAL

FROM

LEASE/MGW 19.00 DME

TO

MGW 23.97 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	4.97		MGW 23.97 DME	527								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
5.TREE	393255.00N/0792209.00W	3199	50	20	2C	250					3460	

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

MGW 23.97 DME

TO

MGW VOR/DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
					3210							
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
							ASC				5000	
6.TOWER (24-000600)	393111.30N/0791804.10W	3327	500	125	5D	1000					4400	
7.TERRAIN	393006.00N/0793203.00W	3124 (3100)								AS1500	4600	

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 (24-023077)	393503.01N/0792034.21W	1.34	527	3032	20	3	1A	300		SI	3460
CATEGORY B											
9.TREE	393258.80N/0791953.40W	1.91	527	3099	50	20	2C	300		SI	3460
CATEGORY C											
5.TREE	393255.00N/0792209.00W	3.02	567	3199	50	20	2C	300			3500

CIRCLING REMARKS:

MSA

CENTER

MGW VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-270	AAO	390836.00N/0795000.00W	182	24.8	3304	164	98	4E	1000			4400
270-360	AAO	393324.00N/0795139.00W	270	01.0	2530	164	98	4E	1000			3600
360-180	WMILL (54-000964)	390933.00N/0793333.00W	154	27.7	3988	500	125	5E	1000			5000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



QUALITY
10
CHECKED

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	S-09
34:1	
2956 TREE (24-023288) 393445.66N/0792049.67W (8.21)	2954 TREE (24-023287) 393447.95N/0792050.08W (6.60)
2964 TREE (24-023024) 393442.74N/0792053.20W (6.57)	2955 TREE (24-022336) 393446.43N/0792051.01W (4.63)
2955 TREE (24-022337) 393446.70N/0792051.41W (3.88)	2942 TREE (24-022421) 393443.36N/0792045.08W (3.27)
2944 TREE (24-023121) 393445.37N/0792046.77W (2.60)	2954 TREE (24-022340) 393446.96N/0792051.72W (2.32)
2945 TREE (24-034543) 393445.86N/0792947.62W (1.96)	2944 TREE (24-022303) 393446.42N/0792048.01W (0.40)
2958 TREE (24-034550) 393442.31N/0792053.17W (0.39)	2942 TREE (24-023036) 393444.78N/0792046.74W (0.33)
2947 TREE (24-022304) 393446.71N/0792049.51W (0.17)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FIX ERROR EXCEEDS .5 NM.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100' VEGETATION PER FPT CHECKLIST

NO ADDITIONAL AIRSPACE REQUIRED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT</u> GARRETT COUNTY	<u>AIRPORT ID</u> 2G4	<u>PROCEDURE NAME</u> VOR RWY 9	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> OAKLAND	<u>STATE</u> MD	<u>AIRPORT ELEVATION</u> 2933	<u>FACILITY</u> MGW
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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	THLD	TO 1000FT POINT	3.30
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.07
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	86.57
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3101
DISTANCE FROM	THLD	TO 1500FT POINT	4.97
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	3.90
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	86.57
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	3101

THRESHOLD
COORDINATES
(IF STR-IN)

393446.19N/0792040.70W

ARP COORDINATES

393450.90N/0792009.40W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 27 DISTANCE 0.41 NM

FAF
COORDINATES

393429.77N/0792705.72W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
10
CHECKED

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

Electronic Version

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AIRPORT
GARRETT COUNTY

AIRPORT ID
2G4

PROCEDURE NAME
VOR RWY 9

AMDT NO.
ORIG-B

CITY
OAKLAND

STATE
MD

AIRPORT ELEVATION
2933

FACILITY
MGW

PART E: PREPARED BY

NAME
FRANK JACKSON JR

OFFICE
AJV-A431

DATE
02/11/2019

TITLE
AERONAUTICAL INFORMATION SPECIALIST

