

**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.

If an instrument approach procedure of the above type is conducted at the below named airport, it shall be conducted in accordance with a charted instrument approach procedure predicted on the specifications contained herein, unless an approach is conducted in accordance with a different procedure for such airport authorized by the Administrator. Minimum altitudes shall correspond with those established for enroute operations in the particular area or as set forth below.

<u><b>AIRPORT</b></u> GOGEBIC-IRON COUNTY	<u><b>AIRPORT ID</b></u> KIWD	<u><b>PROCEDURE NAME</b></u> VOR RWY 9	<u><b>ORIGINAL/AMENDMENT</b></u> 13A	<u><b>CITY</b></u> IRONWOOD	<u><b>STATE</b></u> MI
<u><b>AIRPORT ELEVATION</b></u> 1230	<u><b>TDZE</b></u> 1230	<u><b>SUPERSEDED</b></u> VOR/DME RWY 9	<u><b>ORIGINAL/AMENDMENT</b></u> 13	<u><b>DATED</b></u> 05/07/2009	<u><b>MAG VAR</b></u> 1E
<u><b>FACILITY</b></u> IWD	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 1980

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
IWD VOR/DME		BEDAY/IWD 6.30 DME					259.00	6.30	3400

**MISSED APPROACH**

**MAP:**

DIMNI/0.80 DME FIX

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3300 THEN CLIMBING LEFT TURN TO 3400 ON HEADING 240 AND IWD R-259 TO BEDAY/6.30 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT R    **SIDE OF COURSE** 259.00    **OUTBOUND** 3400    **FT WITHIN** 10    **MILES OF** BEDAY (IAF)
- 2.
3. **FAC:** 079.00    **FAF:** BEDAY/IWD 6.30 DME    **DIST FAF TO MAP:**    **DIST FAF TO THLD:** 5.50
4. **MIN ALT:** BEDAY/IWD 6.30 DME 3000
8. **MSA FROM:** IWD VOR/DME 3200

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASHLAND ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET, INCREASE S-9 VISIBILITY CAT C 1/4 MILE, AND CAT D 1/2 MILE. INCREASE CIRCLING VISIBILITY CAT A/B 1/4 MILE AND CAT C 1/2 MILE.

**ADDITIONAL FLIGHT DATA:**

BEDAY TO RW09: 2.96/47.

FAS OBST: 1477 AAO 463214N/0901419W.

FAC CROSSES RWY C/L EXTENDED 5055 FT FROM THLD.

HOLD W, RT, 079.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT A, B 900-2, CAT C 900-2 1/2, 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-09	1740	1	510	1740	1	510	1740	1 1/2	510	1740	1 1/2	510			
CIRCLING	2100	1	870	2100	1 1/4	870	2100	2 1/2	870	2220	3	990			

CHANGES - REASONS

1. CHANGED ALL REFERENCES FROM IWD VORTAC TO IWD VOR/DME - TACR PROJECT.  
2. REMOVE /DME FROM PROCEDURE NAME - DME NO LONGER PART OF PROCEDURE NAMING CONVENTION.  
3. ADDED EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED - NEW NOTE FORMAT PER 8260.19H 8-6-8 (2)(C).

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP ARTCC, AMGR  
Digitally signed by

FLIGHT CHECKED BY

DEZ SILAGYI OFFICE DATE  
Aug 22, 2018  
FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY

DEZ SILAGYI OFFICE DATE  
LONNIE EVERHART (DALE SICKELS) Aug 22, 2018 AJV-5400 07/06/2018

APPROVED BY

DEZ SILAGYI OFFICE DATE TITLE  
LONNIE EVERHART Aug 22, 2018 AJV-5400 MANAGER

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

<u>AIRPORT</u>	<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>
GOGEBIC-IRON COUNTY	KIWD	VOR RWY 9	13A	IRONWOOD	MI	1230	IWD

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM TO  
IWD VOR/DME BEDAY/IWD 6.30 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
	6.30											
<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	462851.00N/0900812.00W	1972	250	125	4E	1000				AT428	3400	
2.TERRAIN	462851.00N/0900812.00W	1772 (1800)								AS1500	3300	

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: PT

FROM TO  
10 NM BEDAY/IWD 6.30 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
	10.00											
<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>	
3.AAO	462806.00N/0902157.00W	1703	250	125	4E	500				AC98	2400	
4.TERRAIN	462806.00N/0902157.00W	1503 (1500)								AS1500	3000	

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:



IWD

DIMNI/0.80 DME FIX

HMAS

510

RF CENTER FIX/DISTANCE

10 NM

**HMAS**

RF CENTER FIX/DISTANCE

QUALITY  
6  
CHECKED

MISSED APPROACH

FROM

DIMNI/0.80 DME FIX

TO

BEDAY/6.30 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							1490				
<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				3400
8.TOWER (55-001390)	462628.00N/0901127.00W	2085	500	125	5E	1000				AC125	3300
9.TERRAIN	462933.00N/0900127.00W	1802 (1800)								AS1500	3300

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											
10.TREE	463021.24N/0900739.68W	1.30	870	1622	50	20	2C	300		XP178	2100
CATEGORY B											
11.TREE	463017.00N/0900746.00W	1.50	870	1740	50	20	2C	300		XP60	2100
CATEGORY C											
11.TREE	463017.00N/0900746.00W	1.70	870	1740	50	20	2C	300		XP60	2100
CATEGORY D											
12.TREE	462923.08N/0900641.26W	2.30	990	1859	50	20	2C	300		XP61	2220

CIRCLING REMARKS:

XP=RETAIN PREVIOUS MDA  
XP=RETAIN PREVIOUS MDA  
XP=RETAIN PREVIOUS MDA  
XP=RETAIN PREVIOUS MDA



**CRITICAL TEMPERATURES**

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	VOR
20:1	
1227 MSL BUSH 463134.99N/0900843.34W	
Final Type	VOR
34:1	
1304 MSL TREE 463133.34N/0900919.82W	

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

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

**PART C: GENERAL REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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	3.50
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.43
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	080.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1362
DISTANCE FROM	THLD	TO 1500FT POINT	5.3
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.61
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	080.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1362

THRESHOLD  
COORDINATES  
(IF STR-IN)463139.05N/0900839.51W

ARP COORDINATES463138.90N/0900753.00W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 27 DISTANCE 0.53 NM

FAF  
COORDINATES463050.14N/0901632.04W

FIX NAME  
COORDINATES

REMARKS  
APPROACH/DRAWING ATTACHED.



<u>AIRPORT</u>	<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>
GOGEBIC-IRON COUNTY	KIWD	VOR RWY 9	13A	IRONWOOD	MI	1230	IWD

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART (DALE SICKELS)	AJV-5400	07/06/2018	AERONAUTICAL INFORMATION SPECIALIST