

**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><b>AIRPORT ID</b></u> KCWA	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 8	<u><b>ORIGINAL/AMENDMENT</b></u> 2	<u><b>CITY</b></u> MOSINEE	<u><b>STATE</b></u> WI		
<u><b>AIRPORT ELEVATION</b></u> 1277	<u><b>TDZE</b></u> 1274	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 8	<u><b>ORIGINAL/AMENDMENT</b></u> 1D	<u><b>DATED</b></u> 08/15/2019	<u><b>MAG VAR</b></u> 0E	<u><b>EPOCH YEAR</b></u> 1985
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 08/10/2023	<u><b>REQUIRED EFFECTIVE DATE</b></u> CONCURRENT WITH KCWA ILS OR ILS RWY 8 AMDT 15	<u><b>CANCEL/SUSPEND</b></u>		

**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>
RROBB		TUCYU		TF	FO	1.00	301.55	21.86	3000
BELGO	IAF	TUCYU	NOPT	TF	FB	1.00	076.84	19.20	3000
MAXMA	IAF	TUCYU	NOPT	TF	FB	1.00	120.69	15.96	3000
TUCYU	IF/IAF	HENPA		TF	FB	1.00	077.17	7.56	3000
HENPA	FAF	WOKOS/1.68 NM TO RW08		TF	FB	0.30	077.28	3.57	
WOKOS/1.68 NM TO RW08		RW08	MAP	TF	FO	0.30	077.28	1.68	
RW08	MAP	1474 MSL		CA			077.28		
1474 MSL		ASARE		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW08

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT ASARE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD W TUCYU, RT, 077.17 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000.

3. FAC: 077.28FAF: HENPADIST FAF TO MAP: 5.25DIST FAF TO THLD: 5.25

4. MIN ALT: TUCYU 3000, HENPA 3000, WOKOS/1.68 NM TO RW08 1860

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.45GS ANT:

6. MIN GP INCPT: 3000GP ALT AT PFAF : HENPA 3000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 55.0

8. MSA FROM: RW08 3600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C AND D VISIBILITY TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
HOLD E, RT, 257.59 INBOUND.  
CHART FAS OBST: 1380 TREE 444623N/0894102W.  
1480 AAO 444553N/0894747W.  
CHART VDP AT 1.10 NM TO RW08.  
WAAS CHANNEL # 42820  
REFERENCE PATH ID: W08A  
LTP HAE: 353.2 M

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
LPV DA	1474	1/2	200	1474	1/2	200	1474	1/2	200	1474	1/2	200			
LNAV/VNAV DA	1601	1/2	327	1601	1/2	327	1601	1/2	327	1601	1/2	327			
LNAV MDA	1640	1/2	366	1640	1/2	366	1640	3/4	366	1640	3/4	366			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			



CHANGES - REASONS

1. TERMINAL ROUTE: CHANGED FEEDER LEG FROM “RROBB TO PLEAD, COURSE 302.68, DISTANCE 21.43” TO “RROBB TO TUCYU, COURSE 301.55, DISTANCE 21.86”. - CHANGED IF/IAF CHANGED FROM “PLEAD” TO “TUCYU”.
2. TERMINAL ROUTE: CHANGED INITIAL LEG FROM “BELGO TO PLEAD, DISTANCE 19.81” TO “BELGO TO TUCYU, DISTANCE 19.20”. - CHANGED IF/IAF FIX
3. TERMINAL ROUTE: CHANGED INITIAL LEG FROM “MAXMA TO PLEAD, COURSE 119.54, DISTANCE 16.42” TO “MAXMA TO TUCYU, COURSE 120.69, DISTANCE 15.96”. - CHANGED IF/IAF FIX.
4. TERMINAL ROUTE: CHANGED INTERMEDIATE LEG FROM “PLEAD TO HENPA, DISTANCE 6.89” TO “TUCYU TO HENPA, DISTANCE 7.56”. - CHANGED IF/IAF FIX AND PFAF FIX LOCATION MOVED TO MATCH ILS OR LOC RWY 8.
5. TERMINAL ROUTE: CHANGED FINAL LNAV LEG FROM “HENPA TO WOKOS/2.0 NM TO RW08, COURSE 077.29, DISTANCE 3.25” TO “HENPA TO WOKOS/1.68 NM TO RW08, COURSE 077.28, DISTANCE 3.57”. - PFAF AND STEPDOWN FIX MOVED LOCATION DUE TO NEW RWY CONSTRUCTION AND TCH.
6. TERMINAL ROUTE: CHANGED FINAL LNAV STEPDOWN LEG FROM “WOKOS/2.00 NM TO RW08 TO RW08, COURSE 077.29, DISTANCE 2.00” TO “WOKOS/1.68 NM TO RW08 TO RW08, COURSE 077.28, DISTANCE 1.68”. - STEPDOWN LOCATION CHANGED DUE TO NEW RWY CONSTRUCTION AND TCH.
7. TERMINAL ROUTE: CHANGED MISSED APPROACH CA LEG COURSE FROM “077.29” TO “077.28” - UPDATED PFAF AND STEPDOWN FIX LOCATION.
8. PROFILE LINE 2: UPDATED HOLDING INFORMATION FROM “HOLD W PLEAD, RT, 077.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.” TO “HOLD W TUCYU, RT, 077.17 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000.” - ATC/FPT REQUESTED TO USE TUCYU AS THE HILPT FIX.
9. PROFILE LINE 3: UPDATED FAC FROM “077.29” TO “077.28” - UPDATED PFAF AND STEPDOWN LOCATION.
10. PROFILE LINE 4: UPDATED FROM “PLEAD 3000, HENPA 3000, WOKOS/2.00NM TO RW08 1960” TO “TUCYU 3000, HENPA 3000, WOKOS/1.68 NM TO RW08 1860” - NEW IF/IAF, NEW STEPDOWN LOCATION, AND ASTERISK IS NOT REQUIRED.
11. PROFILE LINE 5: CHANGED 200 HAT FROM “0.46” TO “0.45” - NEW EVALUATION.
12. PROFILE LINE 7: CHANGED TCH FROM “56.3” TO “55.0”. - RWY CONSTRUCTION
13. UPDATED PBN REQUIREMENT NOTE: FROM “RNP APCH” TO “RNP APCH - GPS”. IAW 8260.19I.
14. CHART NOTE: ADDED “FOR INOPERATIVE ALS, INCREASE LNAV CAT C AND D VISIBILITY TO 1 1/8 SM.” - MALSR ADDED.
15. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST: FROM “1419 TREE 444721N/0894027W.” TO “1380 TREE 444623N/0894102W” - NEW MAP STUDY AND EVALUATION.
16. ADDITIONAL FLIGHT DATA: ADDED “1480 AAO 444553N/0894747W.” - 7:1 OBSTACLE.
17. ADDITIONAL FLIGHT DATA: UPDATED LTP HAE FROM “352.9 M” TO “353.2 M”. - NEW SURVEY.
18. ALTERNATE MINIMUMS: ADDED “NA WHEN LOCAL WEATHER NOT AVAILABLE.” - CONTINGENCY ALTIMETER AVAILABLE ON -9.
19. LPV VIS LOWERED FROM “3/4 SM” TO “1/2 SM” ALL CATS - MALSR ADDED.
20. LNAV/VNAV VIS LOWED FROM “1 SM” TO “1/2 SM” ALL CATS - MALSR ADDED.
21. LNAV VIS LOWED CAT A AND B FROM “1 SM” TO “1/2 SM” LOWED CAT C AND D FROM “1 1/8 SM” TO “3/4 SM” - MALSR ADDED.
22. LNAV HAT/DA LOWERED FROM “406/1680” TO “366/1640” - NEW CONTROLLING OBSTACLE.
23. CRC REMAINDER CHANGED FROM “E93FDA99” TO “42BF3D82” - LTP/FPT LATITUDE, LTP/FPT LONGITUDE, LTP/FPT ELLIPSOIDAL HEIGHT, FPAP LATITUDE, FPAP LONGITUDE, THRESHOLD CROSSING HEIGHT, LENGTH OFFSET, LTP ORTHOMETRIC HEIGHT AND FPAP ORTHOMETRIC HEIGHT CHANGED.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☐

APA

☒

HAI

☐

NBAA

☒

OTHER:

ZMP, CWA ATCT, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

CASIMIR L TABAKA

May 12, 2023

OFFICE

DATE

DEVELOPED BY

CHRISTOPHER SCHONES

Digitally signed by

CHRISTOPHER SCHONES

OFFICE

AJV-A432

DATE

04/19/2023

APPROVED BY

CASIMIR TABAKA

May 02, 2023

Digitally signed by

CASIMIR L TABAKA

May 09, 2023

OFFICE

AJV-A432

DATE

08/10/2023

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCWA
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	444648.3825N
LTP/FTP LONGITUDE	0894026.8900W
LTP/FTP ELLIPSOIDAL HEIGHT	+03532
FPAP LATITUDE	444707.8475N
FPAP LONGITUDE	0893824.8145W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0400
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	42BF3D82

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03883
FPAP ORTHOMETRIC HEIGHT	+03883

