

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>AIRPORT ID</u> KCWA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MOSINEE	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 1277	<u>TDZE</u> 1260	<u>SUPERSEDED</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 1D	<u>DATED</u> 03/26/2020	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<u>REQUIRED EFFECTIVE DATE</u> 08/10/2023	<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>
RROBB		ASARE		TF	FO	1.00	022.02	18.46	3000
IPUCO	IAF	ASARE	NOPT	TF	FB	1.00	318.69	22.32	3000
USERS	IAF	ASARE	NOPT	TF	FB	1.00	200.19	21.51	3000
ASARE	IF/IAF	TETEE		TF	FB	1.00	257.59	6.77	3000
TETEE	FAF	ZIKUG/1.99 NM TO RW26		TF	FB	0.30	257.47	3.33	
ZIKUG/1.99 NM TO RW26		RW26	MAP	TF	FO	0.30	257.47	1.99	
RW26	MAP	1460 MSL		CA			257.47		
1460 MSL		PLEAD		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW26

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT PLEAD AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E ASARE, RT, 257.59 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 257.47FAF: TETEEDIST FAF TO MAP: 5.32DIST FAF TO THLD: 5.32

4. MIN ALT: ASARE 3000, TETEE 3000, ZIKUG/1.99 NM TO RW26 1940

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.49GS ANT:

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

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM: RW26 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT USERS ON V191 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
HOLD W, RT, 077.17 INBOUND.
CHART FAS OBST: 1419 TREE 444754N/0893727W.
CHART VDP AT 1.17 NM TO RW26.
WAAS CHANNEL # 58220
REFERENCE PATH ID: W26A
LTP HAE: 349 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	1460	3/4	200	1460	3/4	200	1460	3/4	200	1460	3/4	200			
LNAV/VNAV DA	1680	1 1/8	420	1680	1 1/8	420	1680	1 1/8	420	1680	1 1/8	420			
LNAV MDA	1680	1	420	1680	1	420	1680	1 1/8	420	1680	1 1/8	420			
CIRCLING	1740	1	463	1740	1	463	1740	1 1/2	463	1840	2	563			



CHANGES - REASONS

1. ALL REFERENCE TO SDF, ZIKUG, UPDATED FROM "ZIKUG/2.00 NM TO RW26" TO "ZIKUG/1.99 NM TO RW26" - ZIKUG MOVED 408 FT E FOR PROCEDURE REALIGNMENT WITH RUNWAY EXTENSION AND ASSOCIATED NEW RUNWAY SURVEY.
2. TERMINAL ROUTES: UPDATED CRS FOR LEG IPUCO TO ASARE FROM "318.68" TO "318.69" - POINT LOCATIONS ARE UNCHANGED, UPDATED CALCULATION IN EVALUATION SOFTWARE.
3. TERMINAL ROUTES: UPDATED DISTANCE FOR LEG ASARE TO TETEE FROM "6.85" TO "6.77" - FAF, TETEE, MOVED 439 FT E FOR PROCEDURE REALIGNMENT WITH RUNWAY EXTENSION AND ASSOCIATED NEW RUNWAY SURVEY.
4. TERMINAL ROUTES: UPDATED CRS/DISTANCE FOR LEG TETEE TO ZIKUG FROM "257.48/3.32" TO "257.47/3.33" - FAF AND SDF MOVED TO ALIGN WITH RWY EXT AND SURVEY.
5. TERMINAL ROUTES: UPDATED CRS/DISTANCE FOR LEG ZIKUG TO RW26 FROM "257.48/2.00" TO "257.47/1.99" - SDF MOVED TO ALIGN WITH RWY EXT AND SURVEY.
6. TERMINAL ROUTES: UPDATED CA LEG ALTITUDE AND CRS FOR MISSED APPROACH FROM "1510, 257.48" TO "1460, 257.47" - CA ALTITUDE IAW 8260.58B 3-5-2.B.; CRS ADJUSTED FOR FAC CHANGE IAW 8260.58B 3-5-2.
7. PROFILE LINE 2: ADDED "MAX 6000" - IAW 8260.19I 8-6-7.B.(2).
8. PROFILE LINE 3: UPDATED FAC FROM "257.48" TO "257.47" - FINAL SEGMENT ADJUSTED TO ALIGN WITH RWY EXT AND SURVEY.
9. PROFILE LINE 4: REMOVED ASTERISK FROM "ASARE 3000, TETEE 3000, ZIKUG/1.99 NM TO RW26 1940*" - NO LONGER REQUIRED.
10. PROFILE LINE 5: ADDED "DIST TO THLD FROM 200 HAT: 0.49" - IAW 8260.19I 8-6-7.E.(3).
11. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - THERE ARE NO 20:1 PENETRATIONS, IAW 8260.19I 8-6-7.G.(3)(A).
12. PBN REQUIREMENTS: UPDATED NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B.(2).
13. NOTES: REMOVED "LNAV ONLY" - NO LONGER REQUIRED.
14. ADDITIONAL FLIGHT DATA: REMOVED ASTERISK FROM "CHART VDP AT 1.17NM TO RWY 26*" - NO LONGER REQUIRED.
15. ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 250 HAT: 0.64 NM" - NOTE ADJUSTED AND MOVED TO PROFILE LINE 5 IAW 8260.19I 8-6-7.E.(3).
16. ALTERNATE MINIMUMS: UPDATED FROM "STANDARD" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19I, MEMO 276.
17. MINIMUMS: LPV DA/HAT UPDATED FROM "1510/250" TO "1460/200" - UPDATED OBSTACLE EVALUATION IDENTIFIED ALL SURFACES ARE CLEAR; REMOVED XP ADJUSTMENT.
18. MINIMUMS: LNAV/VNAV DA/VIS/HAT UPDATED FROM "1730 / 1 5/8 / 470" TO "1680 / 1 1/8 / 420" - DA AND HAT REDUCED TO LNAV MINIMA IAW 8260.58B 3-3-5. VIS UPDATED FOR LOWER MINIMA IAW 8260.3E TABLE 3-3-1.
19. FAS DATA: LTP/FTP LOCATION MOVED 448 FT E AND HEIGHT UPDATED FROM "444704.0795N, 0893848.4720W, +03488" TO "444705.0445N, 0893842.4100W, +03490" - RWY EXT AND UPDATED SURVEY.
20. FAS DATA: FPAP LOCATION MOVED 448 FT E FROM "444644.6110N, 0894050.5450W" TO "444645.5740N, 0894044.4825W" - UPDATED APPROACH DESIGN FOR RUNWAY EXTENSION.
21. FAS DATA: LENGTH OFFSET UPDATED FROM "424" TO "400" - UPDATED APPROACH DESIGN FOR RUNWAY EXTENSION.
22. FAS DATA: VERTICAL ALERT LIMIT UPDATED FROM "50.0" TO "35.0" - IAW 8260.19I APPENDIX K, 4.X.
23. FAS DATA: CRC REMAINDER UPDATED FROM "382DE491" TO "42580983" - UPDATED FOR VARIOUS CHANGED IN FAS DATA DUE TO NEW APPROACH DESIGN FOR RUNWAY EXTENSION.
24. FAS DATA: LTP AND FPAP ORTHOMETRIC HEIGHTS UPDATED FROM "+03840" TO "+03841" - UPDATED ELEVATION BASED ON NEW LTP LOCATION IAW 8260.19I APPENDIX K, 4.V.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER:**FLIGHT CHECKED BY**

PENDING

Digitally signed by

ALLAN WILL

Apr 26, 2023

OFFICE**DATE****DEVELOPED BY**

ALLAN WILL (COLIN CAMPBELL)

Digitally signed by

ALLAN WILL

Apr 26, 2023

OFFICE

AJV-A423

DATE

03/30/2023

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

Apr 26, 2023

OFFICE

AJV-A423

DATE**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	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	444705.0445N
LTP/FTP LONGITUDE	0893842.4100W
LTP/FTP ELLIPSOIDAL HEIGHT	+03490
FPAP LATITUDE	444645.5740N
FPAP LONGITUDE	0894044.4825W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
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	42580983

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03841
FPAP ORTHOMETRIC HEIGHT	+03841

