

**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> KENW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25R	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> KENOSHA	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 742	<u>TDZE</u> 723	<u>SUPERSEDED</u> RNAV (GPS) RWY 25R	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 01/30/2020	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 DECEMBER 2020	<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>
PETTY	IAF	GAVSE		TF	FB	1.00	200.00	9.21	3000
TALOR	IAF	GAVSE		TF	FB	1.00	330.42	6.39	3000
GAVSE	IF	BOCIJ		TF	FB	1.00	245.91	5.75	2400
BOCIJ	FAF	TALGE/1.47 NM TO RW25R		TF	FB	0.30	245.84	3.71	
TALGE/1.47 NM TO RW25R		RW25R	MAP	TF	FO	0.30	245.84	1.47	
RW25R	MAP	923 MSL		CA			245.84		
923 MSL		AHYOB		DF	FB	1.00			
AHYOB		VEENA		TF	FO	1.00	309.86	14.59	3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW25R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT AHYOB AND ON TRACK 309.86 TO VEENA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT                      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF                      (IAF)

2. PROFILE STARTS AT GAVSE

3. FAF: 245.84                      FAF: BOCIJ                      DIST FAF TO MAP: 5.17                      DIST FAF TO THLD: 5.17

4. MIN ALT:                      GAVSE 3000, BOCIJ 2400, TALGE/1.47 NM TO RW25R 1220\*

5. DIST TO THLD FROM OM:                      MM:                      IM:                      150 HAT:                      200 HAT: 0.54                      GS ANT:

6. MIN GP INCPT: 2400                      GP ALT AT FAF : BOCIJ 2400                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1: IS CLEAR                      20:1: IS CLEAR                      TCH: 45.0

8. MSA FROM: RW25R 2600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 7R, 15 NA AT NIGHT.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C OR ABOVE 54C.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 828 TRANSMISSION LINE 423710N/0875335W  
\*LNAV ONLY  
CHART CIRCLING ICON  
HOLD E, RT, 257.79 INBOUND.  
WAAS CHANNEL # 49014  
REFERENCE PATH ID: W25A  
LTP HAE: 180.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	923	3/4	200	923	3/4	200	923	3/4	200	923	3/4	200			
LNAV/VNAV DA	984	7/8	261	984	7/8	261	984	7/8	261	984	7/8	261			
LNAV MDA	1080	1	357	1080	1	357	1080	1	357	1080	1	357			
CIRCLING	1200	1	458	1340	1	598	1400	1 3/4	658	1440	2 1/4	698			



CHANGES - REASONS

1. TDZE CHANGED FROM 732 TO 723 - RWY 25R THRSHLD MOVED 1100 FT TO THE EAST.
2. UPDATED TERMINAL ROUTE, GAVSE TO BOCIJ DISTANCE FROM 6.02 TO 5.75 - RWY 25R THRSHLD MOVED 1100 FT, UPDATED PFAF LOCATION IAW 8260.58A.
3. UPDATED TERMINAL ROUTE, "BOCIJ TO TALGE/1.70 NM" TO "BOCIJ TO TALGE/1.47 NM" AND DISTANCE FROM "3.39" TO "3.71" - RWY 25R THRSHLD MOVED 1100 FT.
4. CHANGED FROM "TALGE/1.70NM TO RW25R 1280"" TO TALGE/1.47 NM TO RW25R 1220"" - NEW TARGETS EVALUATION, IAW 8260.19H 8-6-7.D.
5. CHANGED PROFILE LINE 3 FAC FROM "245.83" TO "245.84" - TARGETS CALCULATED FAC BASED ON CURRENT AIRNAV RUNWAY DATA.
6. CHANGED MISSED APPROACH CA LEG ALTITUDE FROM 982 MSL TO 923 MSL IN TERMINAL ROUTES - LPV DA LOWERED TO 923 MSL, 8260.58A 3-5-2.
7. UPDATED MISSED APPROACH LEG, AHYOB TO VEENA COURSE/ DISTANCE FROM 309.62/14.62 TO 309.86/14.59 - FIX AHYOB MOVED FOR OPPOSING RUNWAY PFAF ALIGNMENT.
8. DELETED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT PETTY ON V170 NORTHWEST BOUND." - V170 SE OF PETTY NO LONGER ACTIVE.
9. UPDATED PROFILE LINE 3 DIST FAF TO MAP/THLD FROM 5.09 TO 5.17 - NEW TARGETS EVALUATION 8260.19H 8-6-7C.
10. UPDATED PROFILE LINE 5 DIST TO THLD FROM "250 HAT: 0.70" TO "200 HAT: 0.54" - LPV NOW ASC WITH 200 FT HAT/PER TARGETS EVALUATION, 8260.19H, 8-6-7.E (3).
11. CHANGED LPV DA/HAT FROM "982/250" TO "923/200" - ASC, 200 HAT AUTHORIZED IAW 8260.58A, NEW TDZE.
12. CHANGED LNAV/VNAV DA/HAT FROM "1064/332" TO "984/261" - NEW CONTROLLING OBSTACLE, NEW TDZE.
13. CHANGED LNAV MDA/HAT FROM "1140/408" TO "1080/357" FOR ALL CATEGORIES - NEW CONTROLLING OBSTACLE, NEW TDZE.
14. CHARTED CIRCLING ICON AND CHANGED CIRCLING CAT B FROM 1200/458 TO 1340/598, CAT C FROM 1200/458 TO 1400/658 AND CAT D FROM 1340/598 TO 1440/698 - NEW CIRCLING CRITERIA APPLIED, INCORPORATES T-NOTAM 0/7569.
15. AMENDED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST FROM 800 TREE 423622N/0875554W" TO "CHART FAS OBST: 828 TRANSMISSION LINE 423710N/0875335W" - NEW TARGETS EVALUATION, 8260.19H, 8-6-10.C.
16. CHANGED ALTERNATE MINIMUMS FROM STANDARD TO STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE- UPDATED MINIMUMS AND FORMAT PER 8260-19H 8-6-11 B..
17. LPV VISIBILITY CHANGE FROM 1 TO 3/4 SM ALL CATS - UPDATED VISIBILITY CHECK FOR LOWER DA/HAT IAW 8260.3D TABLE 3-3-1.
18. LNAV/VNAV VISIBILITY CHANGE FROM 1 1/4 TO 7/8 SM ALL CATS - UPDATED VISIBILITY CHECK FOR LOWER DA/HAT IAW 8260.3D TABLE 3-3-1.
19. LNAV VISIBILITY CHANGE FOR CAT C FROM 1 1/8 TO 1 SM AND CAT D FROM 1 1/4 TO 1 SM - UPDATED VISIBILITY CHECK FOR LOWER MDA/HAT IAW 8260.3D TABLE 3-3-1.
20. CIRCLING VISIBILITY CHANGED CAT C FROM 1 1/2 TO 1 3/4 SM, CAT D FROM 2 TO 2 1/4 SM - UPDATED VISIBILITY CHECK FOR LOWER MDA/HAA IAW 8260.3D TABLE 3-3-7.
21. REMOVED ADDITIONAL FLIGHT DATA NOTE "CHART VDP AT 1.07 NM TO RW25R"" - LOCATED WITHIN 0.5 NM FROM FINAL FIX/NOT PUBLISHABLE.
22. FAS DATA: CHANGED FPAP LAT/LONG FROM 423519.4000N/0875712.4300W TO 423524.2160N/0875659.2365W - TARGETS RESULT FROM CHANGE IN LTP/LONG.
23. FAS DATA: CHANGED LENGTH OF OFFSET FROM 1072 TO 0736 - TARGETS RESULT FROM CHANGE IN LTP/LONG, 8260.19H APPENDIX K PARA 4M, N.
24. FAS DATA: CHANGED VERTICAL ALERT LIMIT (VAL) CHANGED FROM 50.0 TO 35.0 - LPV HAT CHANGED FROM 250 TO 200, 8260.19H APPENDIX PARA 4X.
25. FAS DATA: CRC REMAINDER CHANGED FROM A91AD849 TO 13B32ED2 - RESULT OF COORDINATES AND CHANGES LISTED ABOVE, 8260.19H APPENDIX K PARA 4T.
26. CHANGED NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV -16C OR ABOVE 47C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV -23C OR ABOVE 54C" - NEW 5-YEAR HISTORICAL DATA USED.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZAU, MKE APP CON, ENW ATCT, WI AERO, AMGR

FLIGHT CHECKED BY

SHAWN D. MAXWELL

Digitally signed by

JASON KRETSCHMER

Nov 23, 2020

OFFICE

FICO

DATE

11/21/2020

DEVELOPED BY

ALLAN WILL (SILVIA YOUNG)

Digitally signed by

JASON KRETSCHMER

Oct 20, 2020

OFFICE

AJV-A423

DATE

07/22/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Oct 20, 2020

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KENW
RUNWAY	RW25R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	423603.6285N
LTP/FTP LONGITUDE	0875511.0400W
LTP/FTP ELLIPSOIDAL HEIGHT	+01808
FPAP LATITUDE	423524.2160N
FPAP LONGITUDE	0875659.2365W
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	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	13B32ED2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02155
FPAP ORTHOMETRIC HEIGHT	+02155

