

**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> KEZS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> SHAWANO	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 813	<u>TDZE</u> 810	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 04/02/2015	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 205/30 CW 025/30	NOPT	205/10 CW 025/10		3100
2. 205/10 CW 025/10		HISAV	IF/IAF	2500
3. 025/30 CW 205/30		HISAV	IF/IAF	2900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HISAV	IF/IAF	BASBY		TF	FB	1.00	294.69	6.90	2200
BASBY	FAF	RW30	MAP	TF	FO	0.30	294.58	4.22	
RW30	MAP	1097 MSL		CA			294.58		
1097 MSL		ZASRU		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT ZASRU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD SE HISAV, RT, 294.69 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 294.58 **FAF:** BASBY **DIST FAF TO MAP:** 4.22 **DIST FAF TO THLD:** 4.22
- 4. **MIN ALT:** HISAV 2500, BASBY 2200
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **287 HAT:** 0.76 **GS ANT:**
- 6. **MIN GP INCPT:** 2200 **GP ALT AT FAF :** BASBY 2200 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 45.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING RWY 12, 35 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART VDP: 2.01 NM TO RW30.
 HOLD NW, RT, 114.34 INBOUND.
 CHART FAS OBST: 1242 TOWER (55-001059) 444607N/0882758W.
 WAAS CHANNEL # 77729
 REFERENCE PATH ID: W30A
 CHART CIRCLING ICON.
 LTP HAE: 210.9 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 900-2 1/2, CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA									
LPV DA	1097	1	287	1097	1	287	1097	1	287	1097	1	287			
LNAV/VNAV DA	1456	1 7/8	646	1456	1 7/8	646	1456	1 7/8	646	1456	1 7/8	646			
LNAV MDA	1500	1	690	1500	1	690	1500	2	690	1500	2	690			
CIRCLING	1500	1	687	1500	1	687	1680	2 1/2	867	1680	2 3/4	867			



CHANGES - REASONS

1. PROFILE LINE 2: ADDED "MAX 6000" - IAW 8260.19I 8-6-1 B(2).
2. REMOVED "LNAV ONLY" FROM NOTES SECTION - NO LONGER REQUIRED, IAW 8260.19I 8-6-10.M.
3. PROFILE LINE 7: ADDED 20:1 "IS CLEAR" - IAW 8260.19I 8-6-7 G(3).
4. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS" - IAW 8260.19I 8-6-8 B(2).
5. NOTES: UPDATED VDP FROM "2.02" TO "2.01" - IAW 8260.3D 2-6-5 B.
6. NOTES: CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19I 8-6-11 K.
7. NOTES: REMOVED AND MODIFIED CHART NOTES: "BARO-VNAV AND VDP NA WHEN USING GREEN BAY ALTIMETER SETTING" AND "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREEN BAY ALTIMETER SETTING AND INCREASE ALL DA 77 FEET AND ALL MDA 80 FEET AND INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT B, AND CIRCLING CATS B AND D VISIBILITY 1/4 MILE, INCREASE LNAV CAT C AND D AND CIRCLING CAT C VISIBILITY 1/2 MILE" AND MOVED UPDATED NOTES TO -9 - IAW 8260.19I 8-7-1 D.
8. NOTES: UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BORO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 39°C (102°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" - IAW 8260.19I 8-6-9 R.
9. NOTES: REMOVED CHART NOTE "DME/DME RNP-0.3 NA" - NO LONGER APPLICABLE.
10. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "1242 TOWER 444607N/0882758W" TO "1242 TOWER (55-001059) 444607N/0882758W" - IAW 8260.19I 8-6-10 E.
11. ADDITIONAL FLIGHT DATA: ADDED NOTE "CHART CIRCLING ICON" - IAW 8260.19I 8-6-10 S.
12. MINIMUMS: UPDATED CIRCLING CAT C MDA/HAA FROM "1500/687" TO "1680/867" - UPDATED SURVEY, NEW CONTROLLING OBSTACLE.
13. MINIMUMS: UPDATED CIRCLING CAT D MDA/HAA FROM "1560/747" TO "1680/867" - UPDATED SURVEY, NEW CONTROLLING OBSTACLE.
14. MINIMUMS: UPDATED LNAV/VNAV VISIBILITY FROM "2 1/4" TO "1 7/8" - IAW 8260.3D TABLE 3-3-7, UPDATED MINS.
15. MINIMUMS: UPDATED CIRCLING CAT C VISIBILITY FROM "2" TO "2 1/2" - IAW 8260.3D TABLE 3-3-7; UPDATED MINS.
16. MINIMUMS: UPDATED CIRCLING CAT D VISIBILITY FROM "2 1/2" TO "2 3/4" - IAW 8260.3D TABLE 3-3-7; UPDATED MINS.
17. ALTERNATE MINIMUMS: UPDATED FROM "CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "STANDARD - CAT C 900-2 1/2, CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW 8260.19I 8-6-11.
18. DATA FIELD: UPDATED FPAP LAT/LONG FROM "444741.1300N/0883506.9400" TO "444741.1275N/0883505.9395W" - FAS DATA UPDATED.
19. DATA FIELD: CRC REMAINDER CHANGED FROM "6EB306E8" TO "B2482BF7" - FPAP CHANGED, FAS DATA UPDATED.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMP, GRB APP CON, AMGR

Digitally signed by

FLIGHT CHECKED BY

PATRICK MURRAY

JOHN BORDY

Sep 08, 2021

OFFICE

FPO

DATE

09/01/2021

DEVELOPED BY

JOHN BORDY (JUDITH TUTTLE)

Digitally signed by

JOHN BORDY

Sep 08, 2021

OFFICE

AJV-A422

DATE

06/21/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Sep 08, 2021

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	KEZS
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	444707.0155N
LTP/FTP LONGITUDE	0883310.3600W
LTP/FTP ELLIPSOIDAL HEIGHT	+02109
FPAP LATITUDE	444741.1275N
FPAP LONGITUDE	0883505.9395W
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	1560
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	B2482BF7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02470
FPAP ORTHOMETRIC HEIGHT	+02470

