

**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</u> RICHARD I BONG	<u>AIRPORT ID</u> KSUW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> SUPERIOR	<u>STATE</u> WI
<u>AIRPORT ELEVATION</u> 674	<u>TDZE</u> 674	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 10/11/2018	<u>MAG VAR</u> 1W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

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>
DLH VORTAC		BNATT		TF	FO	1.00	144.28	20.89	3000
CEKDA	IAF	BNATT	NOPT	TF	FB	1.00	284.77	26.98	3000
KINGZ	IAF	BNATT	NOPT	TF	FB	1.00	043.37	24.86	3000
BNATT	IF/IAF	NISIC		TF	FB	1.00	321.29	6.29	2600
NISIC	FAF	CUROR/1.60 NM TO RW32		TF	FB	0.30	321.22	4.31	
CUROR/1.60 NM TO RW32		RW32	MAP	TF	FO	0.30	321.22	1.60	
RW32	MAP	1000 MSL		CA			321.22		
1000 MSL		JIBEG		DF	FO	1.00			3100

MISSED APPROACH

MAP:

LP: RW32
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT JIBEG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
6
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE BNATT, RT, 321.29 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 321.22 FAF: NISIC DIST FAF TO MAP: 5.91 DIST FAF TO THLD: 5.91

4. MIN ALT: BNATT 3000, NISIC 2600, CUROR/1.60 NM TO RW32 1220

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

6. MIN GP INCPT: GP ALT AT FAF :

7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM: RW32 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DLH VORTAC AIRWAY RADIALS 095 CW 160.

ADDITIONAL FLIGHT DATA:

NISIC TO RW32: 3.00/45.
CHART VDP AT 0.88 NM TO RW32
WAAS CHANNEL #72829
REFERENCE PATH ID: W32A
CHART FAS OBST: 749 POLE 464011N/0920458W, 810 WATER TWR 464018N/0920536W.
969 AAO 463607N/0920007W, 999 AAO 463520N/0920048W.
HOLD NW, RT, 141.02 INBOUND
LTP HAE: 176.9 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
LP MDA	1000	1	326	1000	1	326	1000	1	326	1000	1	326			
LNAV MDA	1060	1	386	1060	1	386	1060	1 1/8	386	1060	1 1/8	386			
CIRCLING	1180	1	506	1180	1	506	1180	1 1/2	506	1240	2	566			

CHANGES - REASONS

1. CHANGED NOTE FROM: "PROCEDURE NA FOR ARRIVALS AT DLH VORTAC ON V191-430 WESTBOUND AND V129 NORTHWEST BOUND" TO "PROCEDURE NA FOR ARRIVALS AT DLH VORTAC ON RADIAL 095 CW 160". - VORMON PROJECT, RZN DECOMMISSION.
2. DELETED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SKY HARBOR ALTIMETER SETTING. - NOT REQUIRED. PRIMARY TRANSMITTED TO WMSCR.
3. REMOVED TERMINAL ROUTE HYR VOR/DME TO BNATT. - VORMON PROJECT, HYR DECOMMISSION



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, DLH APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

ALLAN WILL

Aug 23, 2019

DEVELOPED BY

TOMMY BYRNS

Digitally signed by

TOMMY BYRNS

Aug 20, 2019

OFFICE

AJV-A423

DATE

07/15/2019

Digitally signed by

DATE

ALLAN WILL

Aug 23, 2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSUW
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	464044.4540N
LTP/FTP LONGITUDE	0920524.3350W
LTP/FTP ELLIPSOIDAL HEIGHT	+01769
FPAP LATITUDE	464152.8200N
FPAP LONGITUDE	0920647.2900W
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	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	4B38A79D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02050
FPAP ORTHOMETRIC HEIGHT	+02050

