

**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> KRHI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1E	<u>CITY</u> RHINELANDER	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 1623	<u>TDZE</u> 1623	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1D	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RHI VOR/DME		ECANA		TF	FO	1.00	270.54	13.22	4000
FASUX	IAF	ECANA	NOPT	TF	FB	1.00	001.07	5.95	3500
CINEX	IAF	ECANA	NOPT	TF	FB	1.00	181.06	9.16	3500
ECANA	IF/IAF	GATRE		TF	FB	1.00	091.07	6.36	3500
GATRE	FAF	ZINGI/1.90 NM TO RW09		TF	FB	0.30	091.17	3.74	
ZINGI/1.90 NM TO RW09		RW09	MAP	TF	FO	0.30	091.17	1.90	
RW09	MAP	1823 MSL		CA			091.17		
1823 MSL		BADAY		DF	FO	1.00			4500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4500 DIRECT BADAY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD W ECANA, RT, 091.07 INBOUND, 3500 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
- 3. **FAC:** 091.17 **FAF:** GATRE **DIST FAF TO MAP:** 5.64 **DIST FAF TO THLD:** 5.64
- 4. **MIN ALT:** ECANA 3500, GATRE 3500, ZINGI/1.90 NM TO RW09 2280
- 5. **DIST TO THLD FROM FAF:** 5.64 **MM:** **IM:** **150 HAT:** **200 HAT:** 0.47 **GS ANT:**
- 6. **MIN GP INCPT:** 3500 **GP ALT AT PFAF:** GATRE 3500 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 51.9
- 8. **MSA FROM:** RW09 4400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 271.50 INBOUND.
 CHART FAS OBST: 1789 TREE 453825N/0892951W.
 CHART VDP AT 1.14 NM TO RW09.
 WAAS CHANNEL # 97715
 REFERENCE PATH ID: W09A
 CHART CIRCLING ICON.
 LTP HAE: 463 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		
	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	1823	1/2	200	1823	1/2	200	1823	1/2	200	1823	1/2	200			
LNAV/VNAV DA	2050	1	427	2050	1	427	2050	1	427	2050	1	427			
LNAV MDA	2040	1/2	417	2040	1/2	417	2040	5/8	417	2040	5/8	417			
CIRCLING	2100	1	477	2260	1	637	2260	1 3/4	637	2280	2	657			



CHANGES - REASONS

INCORPORATED CHANGES FROM FDC NOTAM 2/1915 ONTO FORMS - LNAV MINIMUMS INCREASE
 AIRPORT ELEVATION AND TDZE AMENDED FROM "1624" TO "1623" - 8260.191 8-6-2 F AND E AND UPDATED AIRNAV SURVEY DATA
 AMENDED TERMINAL ROUTE SEGMENT RHI VOR/DME TO ECANA RNP VALUE FROM "2.00" TO "1.00" - 8260.58B 1-2-4 TABLE 1-2-1 NOTE 2
 AMENDED PROFILE LINE 2 TO ADD "MAX 6000" - 8260.191 8-6-7 B(2) (A)
 AMENDED PROFILE LINE 4 TO DELETE THE ASTERISK INDICATING LNAV ONLY - 8260.191 1-1-5 F(12)
 AMENDED PROFILE LINE 5 TO ADD "DIST TO THLD FROM FAF: 5.64" - 8260.191 8-6-7 E
 AMENDED PROFILE LINE 7 TO ADD "20:1: IS CLEAR" - 8260.191 G(3)(A)
 DELETED "CHART NOTE: BARO-VNAV NA WHEN USING TOMAHAWK ALTIMETER SETTING", "CHART NOTE: VDP NA WHEN USING TOMAHAWK ALTIMETER SETTING", AND "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOMAHAWK ALTIMETER SETTING: INCREASE LPV DA TO 1883 FEET; INCREASE LNAV/VNAV DA TO 2109 AND VISIBILITY 1/8 SM; INCREASE ALL MDAS 60 FEET AND VISIBILITY CAT C AND D 1/4 SM" FROM NOTES - RELOCATED TO FORM 8260-9 FOR CONTINGENCY PURPOSES
 DELETED "LNAV ONLY" FROM NOTES - 8260.191 1-1-5 F(12)
 AMENDED NOTE FROM "CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 MILE" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 1/8 SM" - 8260.191 8-6-11 O(3)(D)
 AMENDED ADDITIONAL FLIGHT DATA TO CHANGE VDP VALUE FROM "1.08 NM TO RW09" TO "1.14 NM TO RW09" - 8260.191 8-6-11 M
 AMENDED ADDITIONAL FLIGHT DATA FROM "LTP HAE: 463.1 M" TO "LTP: 463 M" - UPDATED WGS-84 DATUM IAW 8260.191 2-11-6 B
 AMENDED ADDITIONAL FLIGHT DATA FROM "CHART FAS OBST: 1758 TREE 453859N/0893024W, 1754 TREE 453742N/0893058W" TO "CHART FAS OBST: 1789 TREE 453825N/0892951W" - NEW LNAV FINAL CONTROLLING OBSTACLE
 AMENDED LPV ALL CATS FROM "DA 1824/HAT 200" TO "DA 1823/HAT 200" - UPDATED TDZE AIRNAV SURVEY DATA
 AMENDED LNAV/VNAV HAT ALL CATS FROM "426" TO "427" - UPDATED TDZE AIRNAV SURVEY DATA AND 8260.3E 3-2-1 C
 AMENDED LNAV/VNAV ALL CATS VISIBILITY FROM "1" TO "3/4" - 8260.3E TABLE 3-3-1
 AMENDED LNAV ALL CATS FROM "MDA 2020/HAT 396" TO "MDA 2040/HAT 417" - NEW CONTROLLING OBSTACLE: 1789 TREE 4538224.93N/0892951.06W AC-2C
 AMENDED LNAV CATS C/D VISIBILITY FROM "5/8" TO "3/4" - 8260.3E TABLE 3-3-1
 AMENDED CIRCLING CAT A HAA FROM "476" TO "477", CAT B/C HAA FROM "636" TO "637", AND CAT D HAA FROM "656" TO "657" - UPDATED APT ELEV AIRNAV SURVEY DATA AND 8260.3E 3-2-1 D
 AMENDED FAS DATA BLOCK INFORMATION LTP/FTP COORDINATES FROM "453749.0630N/ 0892911.7800W" TO "453749.0650N/0892911.7785W" - UPDATED AIRNAV SURVEY DATA
 AMENDED FAS DATA BLOCK INFORMATION ELLIPSOIDAL HEIGHT FROM "+04631" TO "+04630" - UPDATED WGS-84 DATUM
 AMENDED FAS DATA BLOCK INFORMATION FPAP COORDINATES FROM "453751.5700N/ 0892712.4100W" TO "453751.7315N/0892704.8655W" - UPDATED SURVEY DATA RELOCATING THE LTP AND CHANGING THE FPAP COORDINATES
 AMENDED FAS DATA BLOCK INFORMATION LENGTH OFFSET FROM "0512" TO "0680" - UPDATED SURVEY DATA RELOCATING THE DER AND CHANGING THE FPAP COORDINATES
 AMENDED FAS DATA BLOCK INFORMATION CRC REMAINDER FROM "B75332E5" TO "4A7B3CBA" - UPDATED LTP/FTP AND FPAP COORDINATES FROM UPDATED AIRNAV SURVEY DATA

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZMP, AMGR

FLIGHT CHECKED BY
SCOTT WIEBE

OFFICE FPO
DATE 07/01/2022

Digitally signed by

DEVELOPED BY
KELLY CARLSON
Digitally signed by
MARK D ADAMS
Jun 14, 2022

OFFICE AJV-A412
DATE 02/25/2022

APPROVED BY
MARK ADAMS
Digitally signed by
MARK D ADAMS
Jun 14, 2022

OFFICE AJV-A412
DATE
TITLE MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRHI
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	453749.0650N
LTP/FTP LONGITUDE	0892911.7785W
LTP/FTP ELLIPSOIDAL HEIGHT	+04630
FPAP LATITUDE	453751.7315N
FPAP LONGITUDE	0892704.8655W
THRESHOLD CROSSING HEIGHT (TCH)	00051.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	4A7B3CBA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+04948
FPAP ORTHOMETRIC HEIGHT	+04948

