

**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.

<b>AIRPORT ID</b> RHI	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 33	<b>ORIGINAL/AMENDMENT</b> 2	<b>CITY</b> RHINELANDER	<b>STATE</b> WI
<b>AIRPORT ELEVATION</b> 1623	<b>TDZE</b> 1611	<b>SUPERSEDED</b> RNAV (GPS) RWY 33	<b>DATED</b> 10/07/2021	<b>MAG VAR</b> 3W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ORIGINAL/AMENDMENT</b> 1C	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 2010
		<b>ACTUAL EFFECTIVE DATE</b> 5 SEPTEMBER 2024	<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RHI VOR/DME		CIREN		TF	FO	1.00	150.79	12.44	4000
GOJEN	IAF	CIREN	NOPT	TF	FB	1.00	253.70	12.52	3500
YANUT	IAF	CIREN	NOPT	TF	FB	1.00	054.92	10.97	3500
CIREN	IF/IAF	DEBBA		TF	FB	1.00	330.51	6.43	3400
DEBBA	FAF	RW33	MAP	TF	FO	0.30	330.47	5.46	
RW33	MAP	1861 MSL		CA			330.47		
1861 MSL		CIDEB		DF	FB	1.00			
CIDEB		ECANA		TF	FO	1.00	244.98		4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW33

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT CIDEB AND ON TRACK 244.98 TO ECANA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE CIREN, RT, 330.51 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 330.47 FAF: DEBBA DIST FAF TO MAP: 5.46 DIST FAF TO THLD: 5.46
- MIN ALT: CIREN 3500, DEBBA 3400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.63 GS ANT: IM:
- MIN GP INCPT: 3400 GP ALT AT PFAF: DEBBA 3400 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 50.0
- MSA FROM: RW33 4400



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.  
CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RHI VOR/DME AIRWAY RADIALS 077 CW 156.

**ADDITIONAL FLIGHT DATA:**

HOLD W, RT, 091.07 INBOUND.  
FAS OBST: 1831 AAO 453412N/0892315W.  
1854 AAO 453315N/0892127W.  
CHART VDP AT 1.45 NM TO RW33.  
WAAS CHANNEL # 69407  
REFERENCE PATH ID: W33A  
LTP HAE: 459.2 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	1861	1	250	1861	1	250	1861	1	250	1861	1	250			
LNAV/VNAV DA	1920	1	309	1920	1	309	1920	1	309	1920	1	309			
LNAV MDA	2100	1	489	2100	1	489	2100	1 3/8	489	2100	1 3/8	489			
CIRCLING	2100	1	477	2260	1	637	2260	1 3/4	637	2280	2	657			



**CHANGES - REASONS**

- 1 CHANGED NAME OF FIX DADYE TO GOJEN - PER ATC REQUEST
- 2 MOVED FAF DEBBA 495 FT SOUTHEAST - ALIGN WITH OPTIMUM 3.0/50 PER FPT
- 3 CHANGED INTERMEDIATE CIREN TO DEBBA HEADING FROM 330.52 TO 330.51 AND DISTANCE FROM 6.51 NM TO 6.43 NM - NEW PFAF LOCATION
- 4 CHANGED FINAL LEG HEADING FROM 330.46 TO 330.47 AND DISTANCE FROM 5.38 NM TO 5.46 NM - NEW PFAF LOCATION
- 5 CHANGED FINAL INFO FAC FROM 330.46 TO 330.47 - NEW PFAF LOCATION
- 6 CHANGED FINAL INFO FAF TO MAP FROM 5.38 NM TO 5.46 NM - NEW PFAF LOCATION
- 7 CHANGED FINAL INFO DISTANCE FAF TO THLD FROM 5.38 NM TO 5.46 NM - NEW PFAF LOCATION
- 8 CHANGED LPV FINAL HMAS FROM 1675 TO 1674 - UPDATED TARGETS EVALUATION / NEW OBSTACLE DATA
- 9 CHANGED LPV MINIMUMS ALL CATS FROM DA/HAT 1862/250 TO 1861/250 - AIRPORT ELEVATION DIFF
- 10 CHANGED LNAV/VNAV ALL CATS FROM DA/HAT 2257/645 TO 1920/309 - UPDATED TARGETS EVALUATION / NEW OBSTACLE DATA
- 11 CHANGED LNAV ALL CATS FROM MDA/HAT 2120/508 TO 2100/489 - UPDATED TARGETS EVALUATION / NEW OBSTACLE DATA
- 12 CHANGED CIRCLING CAT A FROM MDA/HAA 2120/496 TO 2100/477 - UPDATED TARGETS EVALUATION / NEW OBSTACLE DATA
- 13 CHANGED LNAV/VNAV VISIBILITY FROM 2-1/4 SM TO 1 SM - UPDATED TARGETS EVALUATION / NEW OBSTACLE DATA
- 14 CHANGED LNAV CAT C VISIBILITY FROM 1-1/2 SM TO 1-3/8 SM - UPDATED TARGETS EVALUATION / NEW OBSTACLE DATA
- 15 CHANGED LNAV CAT D VISIBILITY FROM 1-1/2 SM TO 1-3/8 SM - UPDATED TARGETS EVALUATION / NEW OBSTACLE DATA
- 16 REMOVED BACKUP ALTIMETER AND ASSOCIATED VDP AND BARO-VNAV NA NOTE - MOVED TO -9 AS A CONTINGENCY
- 17 CHANGED FAS OBS FROM 1859 AAO 453438N/0892307W TO 1831 AAO 453412.00N/0892315.00W - NEW FAS OBSTACLE
- 18 ADDED CHART NOTE: 20:1 IS CLEAR - 20:1 IS CLEAR
- 19 UPDATED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RHI VOR/DME ON V191 AND V217 NORTHWEST BOUND." TO READ "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RHI VOR/DME AIRWAY RADIALS 077 CW 156." - IAW 8260.19I, 8-2-5, (E2).
- 20 CHANGED FEEDER ROUTE RHI VOR/DME TO CIREN RNP VALUE FROM 2.0 TO 1.0 - IAW 8260.58C TABLE 1-2-1
- 21 CHANGED TERMINAL ROUTES MAP ALTITUDE FROM 1862 FT TO 1861 - LPV HAT/DA CHANGED
- 22 CHANGED PROFILE LINE 2 INBOUND COURSE FROM 330.52 TO 330.51 - HOLDING PATTERN CHANGED AT FIX CIREN
- 23 CRC REMAINDER CHANGED FROM "D5CF2F15" TO "C165D7DB" - LTP/FTP LAT/LONG CHANGED FROM "453731.1380N/0892708.6375W" TO "453731.1360N/0892708.6415W" FPAP LAT/LONG CHANGED FROM "453846.1900N/0892817.0500W" TO "453846.1900N/0892817.0380W" LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+04593" TO "+04592"
- 24 ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
- 25 UPDATED "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." TO READ "CHART NOTE RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - 34:1 PENETRATIONS EXIST

**COORDINATED WITH:**

A4A  
  ALPA  
  AOPA  
  APA  
  HAI  
  NBAA  
 OTHER: ZMP, ARPT MGR

**FLIGHT CHECKED BY**

GLEN B FREMAN

*Digitally signed by*

**BEV L BORDY**

Jul 23, 2024

**OFFICE**

FPO

**DATE**

07/19/2024

**DEVELOPED BY**

JOHN BORDY (PHILLIP SMART)

*Digitally signed by*

**BEV L BORDY**

Jul 23, 2024

**OFFICE**

AJV-A433

**DATE**

**APPROVED BY**

JOHN BORDY

*Digitally signed by*

**BEV L BORDY**

Jul 23, 2024

**OFFICE**

AJV-33

**DATE**

09/05/2024

**TITLE**

MANAGER



AIRPORT ID  
RHI

PROCEDURE NAME  
RNAV (GPS) RWY 33

ORIGINAL/AMENDMENT  
2

CITY  
RHINELANDER

STATE  
WI

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRHI
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	453731.1360N
LTP/FTP LONGITUDE	0892708.6415W
LTP/FTP ELLIPSOIDAL HEIGHT	+04592
FPAP LATITUDE	453846.1900N
FPAP LONGITUDE	0892817.0380W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER C165D7DB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+04911
FPAP ORTHOMETRIC HEIGHT	+04911

