

**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 27	<b>ORIGINAL/AMENDMENT</b> 2	<b>CITY</b> RHINELANDER	<b>STATE</b> WI
<b>AIRPORT ELEVATION</b> 1623	<b>TDZE</b> 1605	<b>SUPERSEDED</b> RNAV (GPS) RWY 27	<b>DATED</b> 10/07/2021	<b>MAG VAR</b> 3W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 5 SEPTEMBER 2024	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 2010
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RHI VOR/DME		BADAY		TF	FO	1.00	092.05	12.90	4500
CAYAN	IAF	BADAY	NOPT	TF	FB	1.00	238.10	5.82	4500
GOJEN	IAF	BADAY	NOPT	TF	FB	1.00	323.10	8.56	4500
BADAY	IF/IAF	WAMDU		TF	FB	1.00	271.49	5.93	3900
WAMDU	FAF	OGOSE/2.40 NM TO RW27		TF	FB	0.30	271.41	4.67	
OGOSE/2.40 NM TO RW27		RW27	MAP	TF	FO	0.30	271.41	2.40	
RW27	MAP	1805 MSL		CA			271.41		
1805 MSL		ECANA		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW27

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT ECANA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- HOLD E BADAY, RT, 271.49 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 271.41                      **FAF:** WAMDU                      **DIST FAF TO MAP:** 7.07                      **DIST FAF TO THLD:** 7.07
- MIN ALT:** BADAY 4500, WAMDU 3900, OGOSE/2.40 NM TO RW27 2420
- DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **200 HAT:** 0.49                      **GS ANT:**
- MIN GP INCPT:** 3900                      **GP ALT AT PFAF:** WAMDU 3900                      **OM:**                      **MM:**                      **IM:**
- GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 50.0
- MSA FROM:** RW27 4400



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RHI VOR/DME AIRWAY RADIALS 021 CW 156.

**ADDITIONAL FLIGHT DATA:**

HOLD W, RT, 091.07 INBOUND.  
CHART FAS OBST: 1857 STACK (55-000495) 453824N/0892515W.  
CHART VDP AT 1.47 NM TO RW27.  
WAAS CHANNEL # 50217  
REFERENCE PATH ID: W27A  
LTP HAE: 455.6 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	1805	3/4	200	1805	3/4	200	1805	3/4	200	1805	3/4	200			
LNAV/VNAV DA	1920	7/8	315	1920	7/8	315	1920	7/8	315	1920	7/8	315			
LNAV MDA	2120	1	515	2120	1	515	2120	1 3/8	515	2120	1 3/8	515			
CIRCLING	2120	1	497	2260	1	637	2260	1 3/4	637	2280	2	657			



**CHANGES - REASONS**

- 1 CHANGED INTERMEDIATE FIX NAME FROM DADYE TO GOJEN - REQUESTED BY ATC
- 2 MOVED FAF WAMDU - ALIGN TO OPTIMUM 3.00/50 PER FPT
- 3 CHANGED INTERMEDIATE LEG DISTANCE CHANGED FROM 6.07 NM TO 5.93 NM, AND HEADING CHANGED FROM 271.50 TO 271.49 - NEW PFAF LOCATION
- 4 CHANGED FINAL LEG DISTANCE, INCREASED FROM 6.93 NM TO 7.07 NM AND CHANGED HEADING FROM 271.40 TO 271.41 - NEW PFAF LOCATION
- 5 CHANGED LNAV SDF LEG DISTANCE FROM 4.53 NM TO 4.67 NM, AND CHANGED HEADING FROM 271.40 TO 271.41 - NEW PFAF LOCATION
- 6 CHANGED LNAV SDF TO MAP HEADING FROM 271.40 TO 271.41 - NEW PFAF LOCATION
- 7 CHANGED FAS OBS FROM 1690 FT MSL TREE AND 1960 FT MSL TOWER TO FAS OBS 1857 FT MSL STACK (55-000495) - NEW DTED INFORMATION
- 8 CHANGED PROFILE: LINE 3 FINAL INFO FAF TO MAP/FAF TO THLD FROM 6.93 NM TO 7.07 NM - NEW PFAF LOCATION
- 9 ADDED PROFILE: LINE 5 200 HAT: 0.49 - LOWER MINIMUMS
- 10 CHANGED DISTANCE VDP AT FROM 1.67 NM TO RWY 27 TO 1.47 NM TO RWY 27 - NEW VDP CALCULATED
- 11 CHANGED LNAV/VNAV VISIBILITY FROM 1-1/4 SM TO 7/8 SM ALL CATS - REVISED OBSTACLE DATA / LOWER MINS
- 12 CHANGED LNAV VISIBILITY CATS C FROM 1-1/2 SM TO 1-3/8 SM, CHANGED CAT D FROM 1-3/4 SM TO 1-3/8 SM - REVISED OBSTACLE DATA / LOWER MINS
- 13 CHANGED LPV MINIMUMS ALL CATS FROM DA/HAT 1806/200 TO 1805/200 - AIRPORT ELEVATION DIFF
- 14 CHANGED LNAV/VNAV ALL CATS FROM DA/HAT 1983/377 TO 1920/315 - UPDATED TARGETS EVALUATION / REVISED OBSTACLE DATA
- 15 CHANGED LNAV ALL CATS FROM MDA/HAT 2180/574 TO 2120/515 - UPDATED TARGETS EVALUATION / REVISED OBSTACLE DATA
- 16 CHANGED CIRCLING CAT A FROM MDA/HAT 2180/556 TO 2120/497 - UPDATED TARGETS EVALUATION / REVISED OBSTACLE DATA
- 17 REMOVED BACKUP ALTIMETER AND ASSOCIATED VDP AND BARO-VNAV NA NOTE - MOVED TO -9 AS A CONTINGENCY.
- 18 ADDED CHART NOTE: 20:1 IS CLEAR - 20:1 AREA IS CLEAR
- 19 CHANGED VGS1 DATA FROM 3.00/48.8 TO 3.00/50.0 - NEW PFAF LOCATION
- 20 CHANGED FEEDER ROUTE RHI VOR/DME TO BADAY RNP VALUE FROM 2.0 TO 1.0 - IAW 8260.58C TABLE 1-2-1
- 21 REMOVED LNAV ONLY NOTE - PROCEDURE NO LONGER LNAV ONLY
- 22 CHANGED PROFILE LINE 2 INBOUND COURSE FROM 271.50 TO 271.49 - HOLDING PATTERN CHANGED AT FIX BADAY
- 23 UPDATED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RHI VOR/DME ON V217 NORTHWEST BOUND." TO READ "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON RHI VOR/DME AIRWAY RADIALS 021 CW 156." - IAW 8260.191, 8-2-5, (E2).
- 24 CRC REMAINDER CHANGED FROM "09F88D23" TO "BC1A8741" - LTP/FTP LAT/LONG CHANGED FROM "453751.0775N/0892736.1495W" TO "453751.0775N/0892736.1475W" FPAP LAT/LONG CHANGED FROM "453748.3900N/0892943.0600W" TO "453751.0775N/0892736.1475W" LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+04557" TO "+04556"
- 25 CHANGED TERMINAL ROUTES MAP ALT FROM 1806 MSL TO 1805 MSL - LPV HAT/DA CHANGED
- 26 UPDATED "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C." TO READ "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C." - NEW HISTORICAL WEATHER

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

GLEN B FREEMAN

*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**

01/22/2024

**APPROVED BY**

JOHN BORDY

*Digitally signed by*

**BEV L BORDY**

Jul 23, 2024

**OFFICE**

AJV-33

**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	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	453751.0775N
LTP/FTP LONGITUDE	0892736.1475W
LTP/FTP ELLIPSOIDAL HEIGHT	+04556
FPAP LATITUDE	453748.4015N
FPAP LONGITUDE	0892943.0600W
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	0680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 97AE812B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+04874
FPAP ORTHOMETRIC HEIGHT	+04874

