

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> HWV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> SHIRLEY	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 81	<u>TDZE</u> 67	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>DATED</u> 05/21/2020	<u>MAG VAR</u> 14W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 JUNE 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BEDYA	IF/IAF	REENE		TF	FB	1.00	329.14	9.87	1400
REENE	FAF	RW33	MAP	TF	FO	0.30	329.04	4.02	
RW33	MAP	346 MSL		CA			329.04		
346 MSL		INOSE		DF	FB	1.00			
INOSE		CCC VOR/DME		TF	FO	1.00	083.14	7.56	2000

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT INOSE AND RIGHT TURN ON TRACK 083.14 TO CCC VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BEDYA
- FAC: 329.04 FAF: REENE DIST FAF TO MAP: 4.02 DIST FAF TO THLD: 4.02
- MIN ALT: BEDYA 4000, REENE 1400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 279 HAT: 0.75 GS ANT: IM:
- MIN GP INCPT: 1400 GP ALT AT PFAF: REENE 1400 OM: MM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 46.0
- MSA FROM: RW33 1900



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

CHART NOTE: CIRCLING RWY 15 NA AT NIGHT.

CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

**ADDITIONAL FLIGHT DATA:**

CHART W-106A.  
CHART W-106B.  
HOLD E, LT, 265.50 INBOUND.  
FAS OBST: 214 AAO 404457N/0724845W.  
CHART VDP AT 1.23 NM TO RW33.  
WAAS CHANNEL # 40412  
REFERENCE PATH ID: W33A  
CHART CIRCLING ICON.  
LTP HAE: -13 M

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA	346	1	279	346	1	279		NA			NA				
LNAV/VNAV DA	449	1 1/8	382	449	1 1/8	382		NA			NA				
LNAV MDA	500	1	433	500	1	433		NA			NA				
CIRCLING	560	1	479	560	1	479		NA			NA				

CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM FOR ORIG-A INTO FORM – IAW 8260-19I PARA 8-3-4.C (3).
2. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 2000 DIRECT INOSE AND RIGHT TURN VIA TRACK 083.15 TO CCC VOR/DME AND HOLD” TO “CLIMB TO 2000 DIRECT INOSE AND RIGHT TURN ON TRACK 083.14 TO CCC VOR/DME AND HOLD.” – IAW 8260.19I 8-6-6 D(11).
3. PROFILE, LINE 6: CHANGED FROM “GS ALT AT: REENE” TO “GP ALT AT PFAF: REENE 1400” – UPDATED FORMATTING.
4. PROFILE, LINE 7: CHANGED “34:1 IS CLEAR” TO “34:1 IS NOT CLEAR” – NEW OBSTACLE EVALUATION.
5. PROFILE, LINE 7: ADDED “20:1 IS CLEAR” – NEW OBSTACLE EVALUATION.
6. PBN REQUIREMENTS NOTE: DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH – GPS" - IAW 8260.19I PARA 8-6-8.B (2).
7. CHART NOTE: BARO VNAV, VDP NOTES AND BACKUP ALTIMETER NOTES RELOCATED TO 8260-9 - WX ON SERVICE A.
8. CHART NOTE: CHANGED “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C” – FAHRENHEIT REMOVED IAW 8260.19I, 8-6-9.R.
9. CHART NOTE: ADDED “CIRCLING RWY 15 NA AT NIGHT” - UNLIT 20:1 OBSTACLE IDENTIFIED, CANCELS T-NOTAM 3/2696.
10. CHART NOTE: CHANGED “VISIBILITY REDUCTION BY HELICOPTERS NA” TO “RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED” - 34:1 OBSTACLE IDENTIFIED, CANCELS T-NOTAM 3/2696.
11. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: 136 TREE 404844N/0725158W CHART FAS OBST: 125 TREE 404856N/0725126W” TO “FAS OBST: 214 AAO 404457N/0724845W” – NEW OBSTACLE EVALUATION.
12. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM “CHART VDP AT 1.24 NM TO RW33” TO “CHART VDP AT 1.23 NM TO RW33” – VDP CALCULATED IAW 8260.3E, FORMULA 2-6-5., \* NO LONGER REQUIRED IAW 8260.19I 8-6-7.
13. ADDITIONAL FLIGHT DATA: DELETED “\*LNAV ONLY” – NO LONGER REQUIRED BY CURRENT CRITERIA.
14. ADDITIONAL FLIGHT DATA: ADDED "LTP HAE: -13 M" - PER 8260.19I PARA 8-6-10. J. (3).
15. MINIMUMS: DECREASED LNAV/VNAV VIS CAT A AND B FROM 1 1/4 TO 1 1/8 - UPDATED IAW 8260.3E TABLE 3-3-1.
16. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM “B2E1372C” TO “736CC0DC” - LTP/FTP CHANGED FROM “404850.9420N/0725139.1475W” TO “404850.9415N/0725139.1470W”, FPAP CHANGED FROM “404953.9700N/0725302.1500W” TO “404953.9745N/ 0725302.1480W”.
17. TERMINAL ROUTES: ADDED CA LEG 346 MSL TO INOSE - REQUIRED FOR CODING RNAV PROCEDURES, 8260.58B 3-5-2.

COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☐

HAI

☐

NBAA

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OTHER:

ZBW ARTCC, NY TRACON, AMGR

FLIGHT CHECKED BY

Digitally signed by  
DAVID DANNER

BOB S PRESSLER

Mar 28, 2024

OFFICE

FPO

DATE

03/26/2024

DEVELOPED BY

DAVID DANNER (RONALD K. STROBACH)

Digitally signed by  
DAVID DANNER  
Mar 28, 2024

OFFICE

AJV-A421

DATE

01/12/2024

APPROVED BY

DAVID DANNER

Digitally signed by  
DAVID DANNER  
Mar 28, 2024

OFFICE

AJV-A421

DATE

05/16/2024

TITLE

MANAGER

AIRPORT ID  
HWV

PROCEDURE NAME  
RNAV (GPS) RWY 33

ORIGINAL/AMENDMENT  
ORIG-B

CITY  
SHIRLEY

STATE  
NY

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHWV
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	404850.9415N
LTP/FTP LONGITUDE	0725139.1470W
LTP/FTP ELLIPSOIDAL HEIGHT	-00130
FPAP LATITUDE	404953.9745N
FPAP LONGITUDE	0725302.1480W
THRESHOLD CROSSING HEIGHT (TCH)	00046.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	736CC0DC
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00184
FPAP ORTHOMETRIC HEIGHT	+00184

