

**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> KHZE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> HAZEN	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 1815	<u>TDZE</u> 1815	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 03/26/2020	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 23-08.

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 237/30 CW 057/30	NOPT	IJKUV	IF/IAF	4000
2. 057/30 CW 147/30		OGVIQ	IAF	4000
3. 147/30 CW 237/30		KOJSY	IAF	4000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KOJSY	IAF	IJKUV	NOPT	TF	FB	1.00	236.94	5.00	4000
OGVIQ	IAF	IJKUV	NOPT	TF	FB	1.00	056.78	5.00	4000
IJKUV	IF/IAF	EJRIQ		TF	FB	1.00	326.86	6.10	3500
EJRIQ	FAF	JELMU/3.00 NM TO RW33		TF	FB	0.30	326.81	2.08	
JELMU/3.00 NM TO RW33		RW33	MAP	TF	FO	0.30	326.81	3.00	
RW33	MAP	2193 MSL		CA			326.81		
2193 MSL		IJGIJ		DF	FO	1.00			4000

QUALITY
10
CHECKED

MISSED APPROACH**MAP:**

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT IJGIJ AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SE IJKUV, RT, 326.86 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 326.81	FAF: EJRIQ		DIST FAF TO MAP: 5.08		DIST FAF TO THLD: 5.08
4. MIN ALT: IJKUV 4000, EJRIQ 3500, JELMU/3.00 NM TO RW33 2820					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	378 HAT: 1.03	GS ANT:
6. MIN GP INCPT: 3500	GP ALT AT PFAF: EJRIQ 3500		OM:	MM:	IM:
7. GP ANGLE: 3.04	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 45.0		
8. MSA FROM:					

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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 146.68 INBOUND.
CHART FAS OBST: 2169 TREE 471446N/1013152W.
CHART 2219 TREE 471432N/1013137W.
CHART VDP AT 1.99 NM TO RW33.
WAAS CHANNEL # 53318
REFERENCE PATH ID: W33A
CHART CIRCLING ICON.
LTP HAE: 533.3 M

QUALITY
10
CHECKED

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
LPV DA	2193	1	378	2193	1	378	2193	1	378		NA				
LNAV/VNAV DA	2353	1 1/2	538	2353	1 1/2	538	2353	1 1/2	538		NA				
LNAV MDA	2480	1	665	2480	1	665	2480	1 7/8	665		NA				
CIRCLING	2480	1	665	2480	1	665	2480	1 7/8	665		NA				

CHANGES - REASONS

1. PROCEDURE NAME CHANGED FROM RNAV (GPS) RWY 32 TO RNAV (GPS) RWY 33 - MAGVAR UPDATED PER FPT/ATC REQUEST.
2. MAGVAR CHANGED FROM 9E TO 6E - MAGVAR UPDATED PER FPT/ATC REQUEST.
3. ALL COURSE INFORMATION INCREASED BY 3 DEGREES - PER MAGVAR UPDATE.
4. PROFILE LINE 4: REMOVED "*" FROM JELMU/3.00 NM TO 2820 AND NOTE *LNAV ONLY - NO LONGER REQUIRED PER CURRENT CRITERIA.
5. PROFILE LINE 5: CHANGED 378 HAT DISTANCE FROM 1.04 TO 1.03 - CHART CORRECTION.
6. PROFILE LINE 7: GP ANGLE CHANGED FROM 3.00 TO 3.04 - CHART CORRECTION.
7. PROFILE LINE 7: 34:1 AND 20:1 CHANGED FROM IS NOT CLEAR TO IS CLEAR- NEW EVALUATION.
8. NOTES: REMOVED RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 NOT AUTHORIZED - 20:1'S AND 34:1'S ARE CLEAR.
9. ADDITIONAL FLIGHT DATA: REMOVED CHART FAS OBST 2099 TREE 471437N/1013357W AND 1869 TREE 471640N/1013427W - NEW CONTROLLING OBSTACLES PER NEW EVALUATION.
10. ADDITIONAL FLIGHT DATA: ADDED FAS OBST 2169 TREE 471446N/1013152W AND ADDED 7:1 OBST 2219 TREE 471432N/1013137W - NEW CONTROLLING OBSTACLES PER NEW EVALUATION.
11. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON - PER CURRENT CRITERIA.
12. MOVED ALL BACKUP ALTIMETER NOTES AND ALL ASSOCIATED NOTES TO THE BACK OF THE 8260-9 - AIRPORT IS ON WMSCR/SERVICE A.
13. DELETED NOTE: WHEN VGSI INOPERATIVE, PROCEDURE NA AT NIGHT - NO VISUAL PENETRATIONS.
14. LPV VISIBILITY ALL CATS CHANGED FROM 1 ¼ SM TO 1 SM - PER 8260.3E VISIBILITY TABLE.
15. LNAV/VNAV VISIBILITY ALL CATS CHANGED FROM 2 SM TO 1 1/2 SM - PER 8260.3E VISIBILITY TABLE.
16. LNAV CAT C VISIBILITY CHANGED FROM 1 3/4 SM TO 1 7/8 SM - PER 8260.3E VISIBILITY TABLE.
17. CIRCLING CAT C VISIBILITY CHANGED FROM 1 SM TO 1 7/8 - NEW CIRCLING EVALUATION COMPLETED AND PER 8260.3E VISIBILITY TABLE.
18. FAS DATA: RUNWAY CHANGED FROM RW32 TO RW33 - FOR RUNWAY RENUMBERING.
19. FAS DATA: REFERENCE PATH ID CHANGED FROM W32A TO W33A - FOR RUNWAY RENUMBERING.
20. FAS DATA: GLIDEPATH ANGLE CHANGED FROM 3.00 TO 3.04 - CHART CORRECTION.
21. FAS DATA: CRC REMAINDER CHANGED FROM F49F02EA TO 16514D60 - PER UPDATED DATA.
22. LTP AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM 05530 TO 05531 - PER UPDATED DATA.

03/06/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/06/23.

1. CORRECTED PBN REQUIRMENTS NOTE FROM "RNP AR APCH - GPS" TO "RNP APCH - GPS".

03/08/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/06/23.

1. TERMINAL ROUTES: ADDED COURSE 326.81 TO CA LEG.

QUALITY
10
CHECKED

AIRPORT ID
KHZE

PROCEDURE NAME
RNAV (GPS) RWY 33

ORIGINAL/AMENDMENT
1B

CITY
HAZEN

STATE
ND

COORDINATED WITH:

A4A ☐ ALPA ☐ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP ARTCC, AMGR

FLIGHT CHECKED BY
MICHAEL AARON GREENWOOD

Digitally signed by
DAVID DANNER
Mar 13, 2023

OFFICE
FIOG

DATE
02/02/2023

DEVELOPED BY
TARA MARTINELLI

Digitally signed by
TARA N MARTINELLI
Mar 08, 2023

OFFICE
AJV-A442

DATE
03/08/2023

APPROVED BY
DAVID DANNER

Digitally signed by
DAVID DANNER
Mar 13, 2023

OFFICE
AJV-A442

DATE

TITLE
MANAGER

QUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHZE
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	471701.8420N
LTP/FTP LONGITUDE	1013434.9365W
LTP/FTP ELLIPSOIDAL HEIGHT	+05333
FPAP LATITUDE	471821.0200N
FPAP LONGITUDE	1013534.8500W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	16514D60

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05531
FPAP ORTHOMETRIC HEIGHT	+05531

QUALITY
10
CHECKED