

**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 15	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> HAZEN	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 1815	<u>TDZE</u> 1787	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<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**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 057/30 CW 237/30	NOPT	IJGIJ	IF/IAF	4000
2. 237/30 CW 327/30		KIJCU	IAF	4000
3. 327/30 CW 057/30		OGSIQ	IAF	4000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
KIJCU	IAF	IJGIJ	NOPT	TF	FB	1.00	236.76	5.00	4000
OGSIQ	IAF	IJGIJ	NOPT	TF	FB	1.00	056.60	5.00	4000
IJGIJ	IF/IAF	EHZEJ		TF	FB	1.00	146.68	6.10	3500
EHZEJ	FAF	HULMA/3.40 NM TO RW15		TF	FB	0.30	146.73	1.77	
HULMA/3.40 NM TO RW15		RW15	MAP	TF	FO	0.30	146.73	3.40	
RW15	MAP	2165 MSL		CA			146.73		
2165 MSL		IJKUV		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW15

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT IJKUV AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
10  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW IJGIJ, RT, 146.68 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 146.73FAF: EHZEJDIST FAF TO MAP: 5.17DIST FAF TO THLD: 5.17

4. MIN ALT: IJGIJ 4000, EHZEJ 3500, HULMA/3.40 NM TO RW15 2920

5. DIST TO THLD FROM OM:MM:IM:150 HAT:378 HAT: 1.03GS ANT:

6. MIN GP INCPT: 3500GP ALT AT PFAF : EHZEJ 3500OM:MM:IM:

7. GP ANGLE: 3.0434:1: IS CLEAR20:1: IS CLEARTCH: 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 SE, RT, 326.86 INBOUND.  
FAS OBST: 2200 AAO 472050N/1013655W.  
2210 AAO 472051N/1013721W.  
CHART VDP AT 2.02 NM TO RW15.  
WAAS CHANNEL # 48818  
REFERENCE PATH ID: W15A  
CHART CIRCLING ICON.  
LTP HAE: 524.8 M

MINIMUMS:

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

ALTERNATE: NA

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 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	2165	1	378	2165	1	378	2165	1	378		NA				
LNAV/VNAV DA	2231	1 3/8	444	2231	1 3/8	444	2231	1 3/8	444		NA				
LNAV MDA	2460	1	673	2460	1	673	2460	1 7/8	673		NA			QUALITY 10 CHECKED	
CIRCLING	2460	1	645	2460	1	645	2480	1 7/8	665		NA				

**CHANGES - REASONS**

1. PROCEDURE NAME CHANGED FROM RNAV (GPS) RWY 14 TO RNAV (GPS) RWY 15 - 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 HULMA/3.40 NM TO 2920 AND NOTE \*LNAV ONLY - NO LONGER REQUIRED PER CURRENT CRITERIA.
5. PROFILE LINE 5: CHANGED 378 HAT DISTANCE FROM 1.05 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. PBN REQUIREMENTS NOTE CHANGED FROM RNP APCH TO RNP APCH - GPS - PER CURRENT CRITERIA.
9. NOTES: REMOVED RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 1 NOT AUTHORIZED - 20:1'S AND 34:1'S ARE CLEAR.
10. ADDITIONAL FLIGHT DATA: REMOVED CHART FAS OBST 2079 TREE 472033N/1013618W AND 1833 TREE 471800N/1013509W - NEW CONTROLLING OBSTACLES PER NEW EVALUATION.
11. ADDITIONAL FLIGHT DATA: ADDED FAS OBST 2200 AAO 472050N/1013655W AND ADDED 7:1 OBST 2210 AAO 472051N/1013721W - NEW CONTROLLING OBSTACLES PER NEW EVALUATION.
12. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON - PER CURRENT CRITERIA.
13. MOVED ALL BACKUP ALTIMETER NOTES AND ALL ASSOCIATED NOTES TO THE BACK OF THE 8260-9 - AIRPORT IS ON WMSCR/SERVICE A.
14. DELETED NOTE: WHEN VGS1 INOPERATIVE, PROCEDURE NA AT NIGHT - NO VISUAL PENETRATIONS.
15. LPV VISIBILITY ALL CATS CHANGED FROM 1 ¼ SM TO 1 SM - PER 8260.3E VISIBILITY TABLE.
16. LNAV/VNAV VISIBILITY ALL CATS CHANGED FROM 1 ½ SM TO 1 3/8 SM - PER 8260.3E VISIBILITY TABLE.
17. LNAV CAT C VISIBILITY CHANGED FROM 2 SM TO 1 7/8 SM - PER 8260.3E VISIBILITY TABLE.
18. CIRCLING CAT C MDA/HAT CHANGED FROM 2460/646 TO 2480/665 AND THE VISIBILITY CHANGED FROM 2 SM TO 1 7/8 - NEW CIRCLING EVALUATION COMPLETED AND PER 8260.3E VISIBILITY TABLE.
19. FAS DATA: RUNWAY CHANGED FROM RW14 TO RW15 - FOR RUNWAY RENUMBERING.
20. FAS DATA: REFERENCE PATH ID CHANGED FROM W14A TO W15A - FOR RUNWAY RENUMBERING.
21. FAS DATA: LTP/FPT LAT/LONG CHANGED FROM 471745.7065N/1013508.1220W TO 471745.6970N/1013508.1130W - PER UPDATED AIRNAV DATA.
22. FAS DATA: FPAP LAT/LONG 471626.5200N/1013408.2500W TO 471626.5150N/1013408.2215W - PER UPDATED AIRNAV DATA.
23. FAS DATA: GLIDEPATH ANGLE CHANGED FROM 3.00 TO 3.04 - CHART CORRECTION.
24. FAS DATA: CRC REMAINDER CHANGED FROM 3A31AE46 TO ADD037EA - PER UPDATED DATA.
25. LTP AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM 05445 TO 05446 - PER UPDATED DATA.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

MICHAEL A GREENWOOD

*Digitally signed by*

**ERIC N SUSKI**

**OFFICE**

FPO

**DATE**

02/02/2023

**DEVELOPED BY**

TARA MARTINELLI

*Digitally signed by*

**TARA N MARTINELLI**

**OFFICE**

AJV-A431

**DATE**

10/07/2022

**APPROVED BY**

JOHNNIE BAKER

*Digitally signed by*

**ERIC N SUSKI**

**OFFICE**

AJV-A430

**DATE**

Oct 17, 2022

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHZE
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	471745.6970N
LTP/FTP LONGITUDE	1013508.1130W
LTP/FTP ELLIPSOIDAL HEIGHT	+05248
FPAP LATITUDE	471626.5150N
FPAP LONGITUDE	1013408.2215W
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	ADD037EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05446
FPAP ORTHOMETRIC HEIGHT	+05446

