

**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</u> EVELYN SHARP FIELD	<u>AIRPORT ID</u> KODX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ORD	<u>STATE</u> NE
<u>AIRPORT ELEVATION</u> 2070	<u>TDZE</u> 2064	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 05/29/2014	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 221/30 CW 041/30	NOPT	GOZGI	IF/IAF	6000
2. 041/30 CW 131/30		LOWLL	IAF	6000
3. 131/30 CW 221/30		TOENY	IAF	6000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LOWLL	IAF	GOZGI	NOPT	TF	FB	1.00	041.05	5.00	6000
TOENY	IAF	GOZGI	NOPT	TF	FB	1.00	221.15	5.00	6000
GOZGI	IF/IAF	YATOJ	PFAF	TF	FB	1.00	311.10	6.92	3800
YATOJ	FAF	JUDEV/2.50 NM TO RW31		TF	FB	0.30	311.02	2.84	
JUDEV/2.50 NM TO RW31		RW31	MAP	TF	FO	0.30	311.02	2.50	
RW31	MAP	2314 MSL		CA			311.02		
2314 MSL		HONUK		DF	FO	1.00			6000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT HONUK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE GOZGI, RT, 311.10 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 311.02 PFAF: YATOJ DIST PFAF TO MAP: 5.34 DIST PFAF TO THLD: 5.34

4. MIN ALT: GOZGI 6000, YATOJ 3800, JUDEV/2.50 NM TO RW31 2880*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.67 GS ANT: MM: IM:

6. MIN GP INCPT: 3800 GP ALT AT PFAF : YATOJ 3800 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 17 AND 35.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

2450 AAO 41346N/098558W.
CHART CIRCLING ICON.
CHART O'NEILL MOA
CHART VDP AT 1.59 NM TO RW31*
*LNAV ONLY
WAAS CHANNEL #99412
REFERENCE PATH ID: W31A
CHART FAS OBST: 2339 TREE 413518N/0985508W.
HOLD NW, RT, 130.85 INBOUND
LTP HAE: 603.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ NA WHEN LOCAL WEATHER NOT AVAILABLE.; STANDARD

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	2314	1	250	2314	1	250		NA			NA				
LNAV/VNAV DA	2616	1 5/8	552	2616	1 5/8	552		NA			NA				
LNAV MDA	2600	1	536	2600	1	536		NA			NA				
CIRCLING	2680	1	610	2680	1	610		NA			NA				

QUALITY
10
CHECKED

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM RNAV (GPS) Z RWY 31 TO RNAV (GPS) RWY 31 - COMBINED THE Y AND Z APPROACHES.
2. ADDED LNAV AND CIRCLING LINES OF MINIMA - COMBINED THE Y AND Z APPROACHES.
3. UPDATED GOZGI HOLDING PATTERN ALTITUDE FROM 3900 TO 6000 AND ADDED MAX HOLDING 6000 - MINIMUM ATC COMMUNICATION RECEPTION ALTITUDE 6000.
4. UPDATED HONUK HOLDING PATTERN ALTITUDE FROM 3900 TO 6000 - MINIMUM ATC COMMUNICATION RECEPTION ALTITUDE 6000.
5. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4000 DIRECT HONUK AND HOLD" TO "CLIMB TO 6000 DIRECT HONUK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000" - MINIMUM ATC COMMUNICATION RECEPTION ALTITUDE INCREASED TO 6000, CLIMB-IN-HOLD EVALUATION REQUIRED.
6. CHANGED LINE 2 MISSED APPROACH INSTRUCTIONS FROM "HOLD SE GOZGI, RT, 311.09 INBOUND, 3900 FT. IN LIEU OF PT (IAF)" TO "HOLD SE GOZGI, RT, 311.10 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 6000." - UPDATED CRS DATA, INCREASED HOLDING ALTITUDE FOR MINIMUM ATC COMMUNICATION RECEPTION, ADDED MAX HOLDING ALTITUDE IAW 8260.19H PARA 8-6-7.B(2).
7. REMOVED LEG OBH TO GOZGI - CONVENTIONAL IAFS REMOVED, "T" PATTERN ESTABLISHED PER ATC REQUEST.
8. ADDED LEG LOWLL TO GOZGI - CONVENTIONAL IAFS REMOVED, "T" PATTERN ESTABLISHED PER ATC REQUEST.
9. REMOVED LEG BONIL TO GOZGI - CONVENTIONAL IAFS REMOVED, "T" PATTERN ESTABLISHED PER ATC REQUEST.
10. ADDED LEG TOENY TO GOZGI - CONVENTIONAL IAFS REMOVED, "T" PATTERN ESTABLISHED PER ATC REQUEST.
11. UPDATED LEG GOZGI TO YATOJ CRS/DIST FROM 311.09/6.10 TO 311.10/6.92 - MOVED GOZGI TO ACCOMMODATE 6000FT HOLDING-IN-LIEU ALTITUDE DESCENT GRADIENT.
12. ADDED LEG YATOJ TO JUDEV - SDF ADDED TO ACCOMMODATE LNAV APPROACH.
13. ADDED LEG JUDEV TO RW31 - SDF ADDED TO ACCOMMODATE LNAV APPROACH.
14. ADDED "LNAV: RW31" TO MAP SECTION OF MISSED APPROACH - LNAV LINE OF MINIMA ADDED.
15. UPDATED LINE 4 FROM "GOZGI 3900, YATOJ 3800" TO "GOZGI 6000, YATOJ 3800, JUDEV/2.50 NM TO RW31 2880*" - GOZGI INCREASED DUE TO ATC COMMUNICATION RECEPTION, JUDEV (SDF) ADDED SUPPORTING NEW LNAV LINE OF MINIMA.
16. ADDED "20:1: IS CLEAR" TO LINE 7 - 20:1 IS CLEAR.
17. REMOVED "DME/DME RNP -0.3 NA" - NO LONGER REQUIRED.
18. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTE - IAW 8260.19H 8-6-8.B.(1).
19. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C OR ABOVE 54C" - REMOVED FAHRENHEIT IAW 8260.19H 8-6-9.S, UPDATED TEMPERATURE DATA YEARS (2014-2018).
20. UPDATED LPV DA/HAT FROM 2358/294 TO 2314/250 - NEW CONTROLLING OBSTACLE.
21. UPDATED LNAV/VNAV DA/HAT FROM 2566/502 TO 2616/552 - NEW CONTROLLING OBSTACLE.
22. UPDATED LNAV/VNAV VIS FROM 1 3/4 TO 1 5/8 - NEW MINIMUMS USED FOR VIS CHECK.
23. UPDATED MISSED HOLDING PATTERN CRS FROM 130.86 TO 130.85 IN ADDITIONAL FLIGHT DATA - PATTERN UPDATED ON RECIPROCAL APPROACH.
24. REMOVED MSA FROM LINE 8 - FPT REQUESTED TAA UPON COMBINING OF APPROACHES.
25. TAA ESTABLISHED - TAA REQUESTED BY ATC UPON COMBINING OF APPROACHES.
26. ADDED "CHART VDP AT 1.59 NM TO RW31*" AND ""LNAV ONLY" TO ADDITIONAL FLIGHT DATA - VDP ESTABLISHED.
27. CHANGED LINE 5 FROM "294 HAT: 0.80" TO "250 HAT: 0.67" - LPV HAT UPDATED
28. MOVED ALL NOTES AND REFERENCES TO BROKEN BOW ALTIMETER SETTING TO -9 FOR CONTINGENCY PURPOSES - LOCAL ASOS ON WMSCR.
29. ADDED "CHART NOTE: CIRCLING NA TO RWYS 17 AND 35" - CIRCLING ADDED TO PROCEDURE AND 8260.3D, 1-2-3, B.
30. CRC REMAINDER CHANGED FROM 8B0FBB5C TO EE10408F AND ROUTE INDICATOR WAS REMOVED - FPAP COORDINATES UPDATED.
31. UPDATED INTERMEDIATE RNP VALUE FROM 0.5 TO 1.0 - 8260.58A TABLE 1-2-1.
32. AMENDED ADDITIONAL FLIGHT DATA FROM "CHART FAS OBSTACLE: 2309 TREE 413617N/985760W" TO "CHART FAS OBSTACLE: 2339 TREE 413518N/0985508W" - 8260-9H, 8-6-10, C.

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZMP, AMGR

FLIGHT CHECKED BY

KENNETH E JACK

Digitally signed by

DAVID DANNER

Aug 29, 2019

OFFICE

FICO

DATE

8/28/19

DEVELOPED BY

DAVID DANNER (COLIN CAMPBELL)

Digitally signed by

DAVID DANNER

Aug 29, 2019

OFFICE

AJV-A421

DATE

05/31/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

DAVID DANNER

Aug 29, 2019

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KODX
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	413712.8100N
LTP/FTP LONGITUDE	0985650.0000W
LTP/FTP ELLIPSOIDAL HEIGHT	+06039
FPAP LATITUDE	413816.8880N
FPAP LONGITUDE	0985812.5950W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EE10408F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+06277
FPAP ORTHOMETRIC HEIGHT	+06277

