

**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> IOWA FALLS MUNI	<u>AIRPORT ID</u> KIFA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> IOWA FALLS	<u>STATE</u> IA
<u>AIRPORT ELEVATION</u> 1137	<u>TDZE</u> 1137	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 224/30 CW 044/30	NOPT	VEYUD	IF/IAF	4000
2. 044/30 CW 224/30		VEYUD	IF/IAF	4000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
VEYUD	IF/IAF	ZIROL		TF	FB	1.00	314.33	6.70	2800
ZIROL	FAF	WISBU/2.00 NM TO RW31		TF	FB	0.30	314.26	3.10	
WISBU/2.00 NM TO RW31		RW31	MAP	TF	FO	0.30	314.26	2.00	
RW31	MAP	1600 MSL		CA			314.26		1600
1600 MSL		ARTYS		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ARTYS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
21
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD SE VEYUD, RT, 314.33 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 314.26 FAF: ZIROL DIST FAF TO MAP: 5.10 DIST FAF TO THLD: 5.10

4. MIN ALT: VEURUD 4000, ZIROL 2800, WISBU/2.00 NM TO RW31 1800*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.66 GS ANT:

6. MIN GP INCPT: 2800 GP ALT AT FAF : ZIROL 2800 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 0.95 NM TO RW31*
*LNAV ONLY
WAAS CHANNEL #86732
REFERENCE PATH ID: W31A
CHART FAS OBST: 1222 TREE 422720N/0931517W.
HOLD E, RT, 271.87 INBOUND
LTP HAE: 316.5 M

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	1387	1	250	1387	1	250	1387	1	250	1387	1	250			
LNAV/VNAV DA	1387	1	250	1387	1	250	1387	1	250	1387	1	250			
LNAV MDA	1480	1	343	1480	1	343	1480	1	343	1480	1	343			
CIRCLING	1540	1	403	1620	1	483	1760	1 3/4	623	1800	2	663			



CHANGES - REASONS

- 1. REMOVED "DME/DME RNP -0.3 NA" - NO LONGER REQUIRED.
- 2. ADDED PBN REQUIREMENTS NOTE: "RNP APCH" - IAW 8260.19H 8-6-8.B.(1).
- 3. ADDED "MAX 6000" TO HOLD IN-LIEU-OF-PT ON LINE 2 - IAW 8260.19H PARA 8-6-7.B(2).
- 4. ADDED PROFILE LINE 7 "20:1 IS CLEAR" - 20:1 PENETRATIONS CLEAR ON RWY 31.
- 5. CHANGED PROFILE LINE 7 FROM "34:1 IS CLEAR" TO "34:1 IS NOT CLEAR" - DUE TO NEW 34:1 PENETRATION RWY 31.
- 6. CHANGED CHART NOTE FROM: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C (2°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - REMOVED FAHRENHEIT FROM STATEMENT, IAW 8260.19H 8-6-9.S.
- 7. CHANGED CIRCLING MINIMUMS CAT D (MDA/HAA) FROM "1760/623" TO "1800/663" - INCORPORATED NOTAM 8/6044, DUE TO NEW CONTROLLING OBSTACLE.
- 8. ADDED CHART NOTE: "RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 34:1 PENETRATIONS EXIST, IAW 8260.19H 8-6-11.K.(3).
- 9. CHANGED ALTERNATE MINIMUMS FROM "STANDARD" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - IAW FAA MEMO DATED 18 JULY 2018 SUBJECT: IMPLEMENTATION OF FAA ORDER 8260.19H CHANGE 1; ATTACHMENT 4, PARA 6.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, ZMP, ZAU, ALO APP CON

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DAVID DANNER

DATE

Dec 10, 2019

OFFICE

AJV-A422

DATE

10/23/2019

DEVELOPED BY

JOHN BORDY (MICHAEL DARDEN)

Digitally signed by

DAVID DANNER

Dec 10, 2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

DAVID DANNER

Dec 10, 2019

OFFICE

AJV-A420

DATE

TITLE

MANAGER

QUALITY
21
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIFA
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	422800.7600N
LTP/FTP LONGITUDE	0931552.9600W
LTP/FTP ELLIPSOIDAL HEIGHT	+03165
FPAP LATITUDE	422904.0060N
FPAP LONGITUDE	0931717.7965W
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	1352
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D99B65AC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03465
FPAP ORTHOMETRIC HEIGHT	+03465

