

**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> KIKV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> ANKENY	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 910	<u>TDZE</u> 902	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 01/05/2017	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 132/30 CW 312/30	NOPT	ZUNIP	IF/IAF	3200
2. 312/30 CW 132/30		ZUNIP	IF/IAF	4000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZUNIP	IF/IAF	CABOX		TF	FB	1.00	222.11	5.00	2500
CABOX	FAF	JONRU/2.50 NM TO RW22		TF	FB	0.30	222.06	2.38	
JONRU/2.50 NM TO RW22		RW22	MAP	TF	FO	0.30	222.06	2.50	
RW22	MAP	1500 MSL		CA			222.06		1500
1500 MSL		ZUNIP		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 240 KIAS UNTIL ZUNIP) CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3200 DIRECT ZUNIP AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD NE ZUNIP, RT, 222.11 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAF: 222.06FAF: CABOXDIST FAF TO MAP: 4.88DIST FAF TO THLD: 4.88
4. MIN ALT: ZUNIP 3200, CABOX 2500, JONRU/2.50 NM TO RW22 1740
5. DIST TO THLD FROM FAF:MM:IM:150 HAT:GS ANT:
6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:
7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1110 TREE 414346N/0933159W.
CHART 1136 TANK (19-044680) 414401N/0933146W.
CHART VDP AT 1.33 NM TO RW22.
CHART CIRCLING ICON.
CABOX TO RW22: 3.00/45.

MINIMUMS:

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

ALTERNATE: NA

☐

STANDARD - CAT D 900-2 3/4

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
LNAV MDA	1360	1	458	1360	1	458	1360	1 3/8	458	1360	1 3/8	458			
CIRCLING	1560	1	650	1560	1	650	1560	1 3/4	650	1760	2 3/4	850			



CHANGES - REASONS

1. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - IAW 8260.19I PARA 8-6-7.B.(2).
2. ADDED "20:1 IS CLEAR" TO LINE 7 - THERE ARE NO 20:1 PENETRATIONS TO RWY 22.
3. ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B.(2).
4. REMOVED DME/DME RNP -0.3 NA - NO LONGER REQUIRED.
5. CHANGED CHART NOTE FROM "CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - 20:1 PENETRATIONS NO LONGER EXIST HOWEVER 34:1 IS STILL NOT CLEAR FOR RWY 22.
6. REMOVED "CHART NOTE: STRAIGHT-IN RWY 22 NA AT NIGHT" - RWY 22 20:1 PENETRATIONS NO LONGER EXIST.
7. UPDATED ADDITIONAL FLIGHT DATA NOTE FROM "CHART 1136 SILO 414401N/0933146W" TO "CHART 1136 TANK (19-044680) 414401N/0933146W" - SAME OBSTACLE, TYPE UPDATED, ID ADDED IAW 8260.19I 8-6-10.C.
8. ADDED "CHART VDP AT 1.33 NM TO RW22" TO ADDITIONAL FLIGHT DATA - VDP PUBLISHABLE DUE TO REMOVAL OF 20:1 PENETRATIONS.
9. REMOVED "1290 AAO 414554N/0933006W" FROM ADDITIONAL FLIGHT DATA - AAO PLANT WAS 100 FT HIGHER THAT NECESSARY ACCORDING TO THE MAP STUDY AND THEREFORE AN INVALID 7:1 OBSTACLE FOR THAT SEGMENT OF THE APPROACH.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, DSM ATCT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

JASON KRETSCHMER (COLIN CAMPBELL)

Digitally signed by

JASON KRETSCHMER

Jul 15, 2021

Digitally signed by

JASON KRETSCHMER

Jul 15, 2021

OFFICE

Digitally signed by

DATE

JASON KRETSCHMER

Jul 15, 2021

OFFICE

AJV-A421

DATE

04/25/2021

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

TITLE
MANAGER

