

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> K88	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> IOLA	<u>STATE</u> KS
<u>AIRPORT ELEVATION</u> 1016	<u>TDZE</u> 1014	<u>SUPERSEDED</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 10/10/2019
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 11 JULY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 4E
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
KUVPE	IAF	VUGBY	NOPT	TF	FB	1.00	305.09	9.72	3000
VUGBY	IF/IAF	HEKBO		TF	FB	1.00	009.41	6.03	2600
HEKBO	FAF	RW01	MAP	TF	FO	0.30	009.39	4.84	
RW01	MAP	1264 MSL		CA			009.39		
1264 MSL		TIGAY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT TIGAY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S VUGBY, RT, 009.41 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 4000.					
3. FAC: 009.39	FAF: HEKBO		DIST FAF TO MAP: 4.84	DIST FAF TO THLD: 4.84	
4. MIN ALT: VUGBY 3000, HEKBO 2600					
5. DIST TO THLD FROM OM: MM: IM:		150 HAT: 250 HAT: 0.64	GS ANT: MM: IM:		
6. MIN GP INCPT: 2600 GP ALT AT PFAF: HEKBO 2600					
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR		TCH: 55.2			
8. MSA FROM: RW01 2800					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CHANUTE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHANUTE ALTIMETER SETTING: INCREASE LPV DA TO 1299 FEET; INCREASE LNAV/VNAV DA TO 1324 FEET; INCREASE ALL MDAS 40 FEET AND VISIBILITY CIRCLING CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 189.45 INBOUND.
FAS OBST: 1214 AAO 374700N/0952336W.
CHART VDP AT 1.31 NM TO RW01.
WAAS CHANNEL # 86628
REFERENCE PATH ID: W01A
LTP HAE: 275.2 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	1264	1	250	1264	1	250	1264	1	250		NA				
LNAV/VNAV DA	1289	1	275	1289	1	275	1289	1	275		NA				
LNAV MDA	1480	1	466	1480	1	466	1480	1 3/8	466		NA				
CIRCLING	1480	1	464	1660	1	644	1660	1 3/4	644		NA				

CHANGES - REASONS

- INCORPORATED CHANGES FROM P-NOTAMS 4/7591, 9/4362 FOR AMDT 1A AND 1B - IAW 8260.19I PARA 8-3-4.C(3).
- TERMINAL ROUTES: REMOVED CNU VOR/DME (IAF) FROM PROCEDURE – CNU VOR MON.
- PROFILE LINE 2: ADDED “, MAX 4000” – PER FPT DIRECTION, IAW 8260.19I PARA 8-6-7.B(2).
- PROFILE LINE 7: ADDED “20:1 IS CLEAR” – IAW 8260.19I, 8-6-7.G(3).
- PROFILE LINE 8: UPDATED MSA FROM “RW01 2700” TO “RW01 2800” – NEW OBSTACLE EVALUATION.
- CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I, 8-6-8.B(2).
- NOTES: UPDATED CHART NOTE FROM “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHANUTE ALTIMETER SETTING: INCREASE ALL DA TO 1296 FEET; INCREASE ALL MDAS 40 FEET AND VISIBILITY CIRCLING CAT C 1/4 SM” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHANUTE ALTIMETER SETTING: INCREASE LPV DA TO 1299 FEET; INCREASE LNAV/VNAV DA TO 1324 FEET; INCREASE ALL MDAS 40 FEET AND VISIBILITY CIRCLING CAT C 1/4 SM” - UPDATED EVALUATION.
- NOTES: DELETED “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CNU VORTAC AIRWAY RADIALS 356 CW 141” - CNU VOR MON.
- PROFILE VIEW: REMOVED “*LNAV ONLY” AND ASTERISK (“**”) FROM VDP – ASTERISK (“**”) AND LNAV ONLY NO LONGER REQUIRED.
- REMOVED “DISTANCE TO THLD FROM 250 HATH: 0.61 NM” FROM ADDITIONAL FLIGHT DATA AND ADDED “250 HAT: 0.64” TO PROFILE LINE 5 - IAW 8260.19I, 8-6-7.E.
- ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM “1219 AAO 374655N/0952335W” TO “1214 AAO 374700N/0952336W” – UPDATED OBSTACLE EVALUATION.
- ALTERNATE MINIMUMS: UPDATED FROM “STANDARD” TO “STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE” - UPDATED AIRNAV DATA.
- MINIMUMS: INCREASED LNAV/VNAV DA/HAT FROM “1264/250” TO “1289/275” – NEW OBSTACLE IDENTIFIED.
- MINIMUMS: DECREASED CIRCLING CAT A CMDA/HAA FROM “1520/504” TO “1480/464” - UPDATED OBSTACLE EVALUATION.
- MINIMUMS: INCREASED CIRCLING CAT B CMDA/HAA FROM “1520/504” TO “1660/644” – PER FPT DIRECTION AND CLEARS T-NOTAM 3/7475.
- FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM “6EABA52D” TO “2A4EB23F” - FPAP CHANGED FROM “375305.9100N/0952254.9100W” TO “375305.9090N/0952254.9115W”.
- TERMINAL ROUTES: ADDED CA LEG 1264 MSL TO TIGAY - REQUIRED FOR CODING RNAV PROCEDURES, IAW 8260.58C 3-5-2.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZKC, AMGR

FLIGHT CHECKED BY

COLTON CROWDER

Digitally signed by

DAVID DANNER

May 30, 2024

OFFICE

FPO

DATE

05/29/2024

DEVELOPED BY

DAVID DANNER (WALKER R. MILLIGAN)

Digitally signed by

DAVID DANNER

May 30, 2024

OFFICE

AJV-A421

DATE

11/27/2023

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

May 30, 2024

OFFICE

AJV-A421

DATE

07/11/2024

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	K88
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	375139.1370N
LTP/FTP LONGITUDE	0952320.9920W
LTP/FTP ELLIPSOIDAL HEIGHT	+02752
FPAP LATITUDE	375305.9090N
FPAP LONGITUDE	0952254.9115W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2A4EB23F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03063
FPAP ORTHOMETRIC HEIGHT	+03063

