

**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> KEOK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> KEOKUK	<u>STATE</u> IA		
<u>AIRPORT ELEVATION</u> 672	<u>TDZE</u> 672	<u>SUPERSEDED</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 04/22/2021	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 JUNE 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
WAREV	IAF	RIT0Y	NOPT	TF	FB	1.00	353.56	5.00	2700
LOAMY	IAF	RIT0Y	NOPT	TF	FB	1.00	073.22	4.91	2700
RIT0Y	IF/IAF	COBUK		TF	FB	1.00	083.55	6.00	2400
COBUK	FAF	RW08	MAP	TF	FO	0.30	083.64	5.23	
RW08	MAP	922 MSL		CA			083.64		
922 MSL		ZAKMI		DF	FO	1.00			2700

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW08

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2700 DIRECT ZAKMI AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD W RITOIY, RT, 083.55 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 083.64FAF: COBUKDIST FAF TO MAP: 5.23DIST FAF TO THLD: 5.23

4. MIN ALT: RITOIY 2700, COBUK 2400

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

6. MIN GP INCPT: 2400GP ALT AT PFAF : COBUK 2400OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW08 2500

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 32 NA AT NIGHT.  
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BURLINGTON ALTIMETER SETTING.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LOAMY ON V10 SOUTHWEST BOUND.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING: INCREASE LPV DA TO 978 FEET; LNAV/VNAV DA TO 1116; INCREASE ALL MDAS 60 FEET AND VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 263.88 INBOUND.  
CHART FAS OBST: 790 ANT ON TANK (KEOK0049) 402741N/0912658W.  
CHART VDP AT 1.04 NM TO RW08.  
WAAS CHANNEL # 97304  
REFERENCE PATH ID: W08A  
LTP HAE: 170.9 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	922	1	250	922	1	250	922	1	250		NA				
LNAV/VNAV DA	1060	1 1/2	388	1060	1 1/2	388	1060	1 1/2	388		NA				
LNAV MDA	1040	1	368	1040	1	368	1040	1	368		NA				
CIRCLING	1180	1	508	1220	1	548	1220	1 1/2	548		NA				



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM FOR ORIG-A, ORIG-B AND ORIG-C INTO FORM - IAW 8260.19I PARA 8-3-4.C (3).
2. DELETED FEEDER SEGMENT UIN VORTAC TO WAREV - UIN VORTAC DECOMMISSIONING IAW VORMON INITIATIVE.
3. PROFILE LINE 2: ADDED "MAX 6000" TO HOLD-IN-LIEU - IAW 8260.19I PARA 8-6-7.B.(2).
4. PROFILE LINE 5: DISTANCE TO THLD FROM 250 HAT MOVED FROM "ADDITIONAL FLIGHT DATA" TO "LINE 5" - IAW 8260.19 PARA 8-6-7 E (3).
5. PROFILE LINE 6: ADDED "GP ALT AT PFAF: COBUK 2400" - IAW 8260.19I PARA 8-6-7.F.
6. PROFILE LINE 7: ADDED "20:1: IS CLEAR" - 8260.19I 8-6-7.G (3).
7. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - IAW 8260.19I PARA 8-6-8.B (2).
8. UPDATED CHART NOTE: FROM "CIRCLING TO RWY 32 NA AT NIGHT" TO "CIRCLING RWY 32 NA AT NIGHT" - IAW 8260.19I 8-6-11(O) 2.
9. UPDATED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING AND INCREASE ALL DA 59 FEET AND ALL MDA 60 FEET, INCREASE LNAV AND CIRCLING CAT C VISIBILITY ¼ MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING: INCREASE LPV DA TO 978 FEET; LNAV/VNAV DA TO 1116; INCREASE ALL MDAS 60 FEET AND VISIBILITY CAT C 1/4 SM" - IAW 8260.19I PARA 8-6-11.(1) (A) 1.
10. UPDATED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVALS AT LOAMY VIA V10 SOUTHWESTBOUND" TO "PROCEDURE NA FOR ARRIVALS AT LOAMY ON V10 SOUTHWEST BOUND" - IAW 8260.19 8-2-5 (E).
11. DELETED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT UIN VORTAC ON AIRWAY RADIALS 281 CW 012" - UIN VORTAC VORMON.
12. DELETED \*LNAV ONLY - NO LONGER REQUIRED.
13. REMOVED "APPROACH ROUTE QUALIFIER 1: J", "APPROACH ROUTE QUALIFIER 2: S" AND "ROUTE TYPE: A, R" FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED BY CRITERIA.
14. ADDITIONAL FLIGHT DATA: ADDED LTP HAE: 170.9 M - IAW 8260.19I 8-6-10 (J) 3.
15. INCREASED LPV DA FROM 921 TO 922 - DA WAS NOT CORRECTED AT TIME OF THRE TO TDZE UPDATE.
16. CRC REMAINDER AMENDED FROM "2A85D47B" TO "E022FBCA" - LTP/FTP LONGITUDE COORDINATES UPDATED FROM "0912609.8600W" TO "0912609.8610."

COORDINATED WITH:

A4A☐ALPA☒AOPA☒APA☐HAI☐NBAA☒OTHER: ZKC, AMGR

FLIGHT CHECKED BY

PETER A WYMAN

DEVELOPED BY

ALLAN WILL (DALLIN STRICKLAND)

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

Mar 20, 2023  
Digitally signed by

ALLAN WILL

Mar 20, 2023  
Digitally signed by

ALLAN WILL

Mar 20, 2023

OFFICE

FPO

OFFICE

AJV-A423

OFFICE

AJV-A423

DATE

03/16/2023

DATE

01/13/2023

DATE

TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEOK
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	402734.6300N
LTP/FTP LONGITUDE	0912609.8610W
LTP/FTP ELLIPSOIDAL HEIGHT	+01709
FPAP LATITUDE	402741.2800N
FPAP LONGITUDE	0912413.4600W
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	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	E022FBCA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02042
FPAP ORTHOMETRIC HEIGHT	+02042

