

**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> 03D	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> MEMPHIS	<u>STATE</u> MO		
<u>AIRPORT ELEVATION</u> 813	<u>TDZE</u> 813	<u>SUPERSEDED</u> RNAV (GPS) RWY 30	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 01/08/2015	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 209/30 CW 029/30	NOPT	OPATE	IF/IAF	4500
2. 029/30 CW 290/30		OPATE	IF/IAF	4500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OPATE	IF/IAF	JOKAS		TF	FB	1.00	299.12	6.30	2500
JOKAS	FAF	RW30	MAP	TF	FO	0.30	299.04	5.19	
RW30	MAP	1144 MSL		CA			299.04		
1144 MSL		IDIXE		DF	FO	1.00			4500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW30

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4500 DIRECT IDIXE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE OPATE, RT, 299.12 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 299.04FAF: JOKASDIST FAF TO MAP: 5.19DIST FAF TO THLD: 5.19

4. MIN ALT: OPATE 4500, JOKAS 2500

5. DIST TO THLD FROM OM:MM:IM:150 HAT:331 HAT: 0.91GS ANT:

6. MIN GP INCPT: 2500GP ALT AT FAF : JOKAS 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.
CHART NOTE: USE KIRKSVILLE ALTIMETER SETTING

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART KIRKSVILLE ASOS.
HOLD NW, RT, 118.83 INBOUND.
FAS OBST: 990 AAO 402427N/0920955W.
WAAS CHANNEL # 86437
REFERENCE PATH ID: W30A
LTP HAE: 212.8 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	1144	1	331	1144	1	331	1144	1	331		NA				
LNAV/VNAV DA	1144	1	331	1144	1	331	1144	1	331		NA				
LNAV MDA	1340	1	527	1340	1	527	1340	1 1/2	527		NA				
CIRCLING	1340	1	527	1340	1	527	1500	2	687		NA				



CHANGES - REASONS

1. INCREASED CIRCLING CAT C MDA/HAA/VIS FROM 1400/587/1 1/2 TO 1500/687/2 - NEW CIRCLING CAT C OBSTACLE, NEW VISIBILITY CALCULATIONS, INCORPORATE NOTAM 0/4481.
2. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19H PARA 8-6-11.K(3).
3. REMOVED "DME/DME RNP -0.3NA" - NO LONGER REQUIRED.
4. ADDED PBN EQUIPMENT REQUIREMENT NOTE: "RNP APCH" - IAW 8260.19H 8-6-8.B.(1).
5. ADDED "20:1: IS CLEAR" TO PROFILE LINE 7 - IAW FAAO 8260.19H, PARA 8-6-7G(3), NO 20:1 PENETRATIONS.
6. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 IN PROFILE SECTION - REQUIRED IAW 8260.19H, PARA 8-6-7B (2).
7. ADDED CHART NOTE: USE KEOKUK ALTIMETER SETTING.
8. DELETED CHART NOTE: NIGHT LANDING: RWY 30 NA FOR CAT C AIRCRAFT - NO 20:1
9. LOWERED LPV AND LNAV/VNAV ALL CATS FROM 1 1/8 SM TO 1 SM - NEW VISIBILITY CALCULATIONS.
10. CHANGED CHART NOTE FROM "USE KIRKSVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE KEOKUK ALTIMETER SETTING AND INCREASE ALL DA 23 FEET AND ALL MDA 40 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE, CIRCLING CAT C VISIBILITY 1/4 MILE" TO "USE KIRKSVILLE ALTIMETER SETTING; WHEN NOT RECEIVED, USE KEOKUK ALTIMETER SETTING AND INCREASE ALL DAS 24 FEET AND ALL MDAS 40 FEET, INCREASE LNAV CAT C VISIBILITY 1/4 SM" AND CHANGED TO A CONTINGENCY NOTE - NEW VISIBILITY AND RA CALCULATIONS, BOTH REMOTE ALTIMETERS ARE ON WMSCR.
11. CRC REMAINDER AND FPAP CHANGED FROM "5AB57225,402728.7030N/0921457.9500W " TO "5F33969E, 402728.6915N/0921457.9590W" - IAW 8260.19H APPENDIX K.
12. RAISED LNAV MINIMUMS FROM MDA 1220/HAT 407 TO MDA 1340/HAT 527 - AAO APPLIES OUTSIDE OF THE EXEMPT AREA.
13. CHANGED CHART FAS OBST: 881 TREE 402530N/0921152W TO FAS OBST: 990 AAO 402427N/0920955W. - AAO APPLIES OUTSIDE OF THE EXEMPT AREA.
14. CHANGED CIRCLING CAT A/B MINS FROM 1300 MDA/HAA 487 TO 1340 MDA/HAA 527. - SI ADJUSTMENT.
15. CHANGED LNAV CAT C VISIBILITY FROM 1 1/8 SM TO 1 1/2 SM. - NEW VISIBILITY TABLES.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZKC, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-1000) MEMO, DATED JUNE 4, 2020,
SUBJECT: FLIGHT INSPECTION OF NEW CONTROLLING OBSTACLES

Digitally signed by

JON DENTON

OFFICE

DATE

DEVELOPED BY

WARDELL HENNING (GORDON LEMON)

Digitally signed by

JON DENTON

Dec 08, 2020

OFFICE

AJV-A432

DATE

09/21/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Dec 08, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	03D
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	402641.4925N
LTP/FTP LONGITUDE	0921318.9390W
LTP/FTP ELLIPSOIDAL HEIGHT	+02128
FPAP LATITUDE	402728.6915N
FPAP LONGITUDE	0921457.9590W
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	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5F33969E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02456
FPAP ORTHOMETRIC HEIGHT	+02456

