

**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 12	<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SUPERSEDED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 12	<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. 029/30 CW 209/30	NOPT	IDIXE	IF/IAF	4500
2. 209/30 CW 029/30		IDIXE	IF/IAF	4500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
IDIXE	IF/IAF	MEPME		TF	FB	1.00	118.83	6.19	2600
MEPME	FAF	RW12	MAP	TF	FO	0.30	118.90	5.49	
RW12	MAP	1144 MSL		CA			118.90		
1144 MSL		OPATE		DF	FO	1.00			4500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4500 DIRECT OPATE 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 NW IDIXE, RT, 118.83 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 118.90FAF: MEPMEDIST FAF TO MAP: 5.49DIST FAF TO THLD: 5.49

4. MIN ALT: IDIXE 4500, MEPME 2600

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

6. MIN GP INCPT: 2600GP ALT AT FAF : MEPME 2600OM: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 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.
CHART NOTE: USE KIRKSVILLE ALTIMETER SETTING

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART KIRKSVILLE ASOS
HOLD SE, RT, 299.12 INBOUND.
FAS OBST: 1025 AAO 402956N/0921840W.
WAAS CHANNEL # 93637
REFERENCE PATH ID: W12A
LTP HAE: 215.1 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	1360	1	547	1360	1	547	1360	1 3/8	547		NA				
CIRCLING	1360	1	547	1360	1	547	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. LOWERED LPV AND LNAV/VNAV VISIBILITIES ALL CATS FROM 1 1/8 SM TO 1 SM - NEW VISIBILITY CALCULATIONS AND CRITERIA UPDATE.
9. 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" AND CHANGED TO A CONTINGENCY NOTE - NEW VISIBILITY AND REMOTE ALTIMETER CALCULATIONS, BOTH REMOTE ALTIMETERS ARE ON WMSCR.
10. CRC REMAINDER AND FPAP LAT/LON CHANGED FROM "B98FDDE7, 402611.5375N/0921216.1600W" TO "306ABF6C, 402611.5435N/0921216.1545W" - IAW 8260.19H APPENDIX K.
11. RAISED LNAV MINS FROM 1260 MDA/HAT 447 TO 1360 MDA/HAT 547 - NEW OBSTACLE EVALUATION APPLIED AAO OUTSIDE THE EXEMPT AREA.
- 12 CHANGED FAS OBST FROM 913 TREE TO 1025 AAO- NEW OBSTACLE EVALUATION APPLIED AAO OUTSIDE THE EXEMPT AREA.
13. RAISED CIRCLING CAT A/B MINS FROM 1300 MDA/HAA 487 TO 1360 MDA/HAA 547. - SI ADJUSTMENT APPLIED.

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 **OFFICE**

JON DENTON

Dec 08, 2020

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	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	402658.7575N
LTP/FTP LONGITUDE	0921355.1495W
LTP/FTP ELLIPSOIDAL HEIGHT	+02151
FPAP LATITUDE	402611.5435N
FPAP LONGITUDE	0921216.1545W
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	306ABF6C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02479
FPAP ORTHOMETRIC HEIGHT	+02479

