

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, 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 in feet RVR.															
TERMINAL ROUTES											MISSED APPROACH										
FROM			TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 4500 DIRECT IDIXE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 118.83 INBOUND. CHART FAS OBST: 881 TREE 402530N/0921152W DISTANCE TO THLD FROM 331 HAT: 0.91 NM. WAAS CHANNEL # 86437 REFERENCE PATH ID: W30A CHART CIRCLING ICON. CHART KIRKSVILLE ASOS. LTP HAE: 212.8 M										
OPATE (IF/IAF)			JOKAS (FB)			299.12 / 6.30			2500												
JOKAS (FAF)			RW30 (MAP) (FO)			299.04 / 5.19															
RW30 (MAP)			1144 MSL			299.04			4500												
1144 MSL			IDIXE (FO)																		
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) 3. FAC: 299.04 FAF: JOKAS _____ DIST FAF TO MAP: 5.19 THLD: 5.19 4. MIN. ALT: OPATE 4500, JOKAS 2500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: JOKAS 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____																		MAG VAR: 3E		EPOCH YEAR: 1985	
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT											ALTERNATE: N A X										
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
LPV DA	1144	1 1/8	331	1144	1 1/8	331	1144	1 1/8	331		NA										
LNAV/VNAV DA	1144	1 1/8	331	1144	1 1/8	331	1144	1 1/8	331		NA										
LNAV MDA	1220	1	407	1220	1	407	1220	1 1/8	407		NA										
CIRCLING	1300	1	487	1300	1	487	1400	1 1/2	587												
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: 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 (SEE FORM 8260-10)																					
CITY AND STATE				ELEVATION: 813 TDZE: 813				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: QUALITY					
MEMPHIS, MO				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 30, ORIG				AMDT: 10 NONE					
				MEMPHIS MEMORIAL								8 JANUARY 2015				CHECKED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

NOTES, (CONT.):

MILE, INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: NIGHT LANDING: RWY 30 NA FOR CAT C AIRCRAFT.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA	FROM	TO	ALT
1.	209/30 CW 029/30 (NOPT)	OPATE (IF/IAF) (FB)	4500
	029/30 CW 290/30	OPATE (IF/IAF) (FO)	4500

CITY AND STATE
MEMPHIS, MO

ELEVATION: 813 TDZE: 813
AIRPORT NAME:
MEMPHIS MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 30, ORIG
8 JANUARY 2015

SUP: **QUALITY**
AMDT: **10** NONE
DATED **CHECKED**

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

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	402728.7030N
FPAP LONGITUDE	0921457.9500W
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

5AB57225

ADDITIONAL PATH POINT RECORD INFORMATION

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

CITY AND STATE

MEMPHIS, MO

ELEVATION: 813

TDZE: 813

AIRPORT NAME:

MEMPHIS MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

8 JANUARY 2015

SUP:

AMDT: 10 NONE

DATED: CHECKED

Bearings, headings, courses, 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 in feet RVR.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 03D K3FR30	AOPATE	010OPATEK3EA0EE	AR	HF			29910040	+	04500	18000		A	JS
SUSAP 03D K3FR30	R	010OPATEK3EA0E	I	IF				+	04500	18000		A	JS
SUSAP 03D K3FR30	R	020JOKASK3EA1E	F	051TF			29910063	+	02500			A	JS
SUSAP 03D K3FR30	R	020JOKASK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP 03D K3FR30	R	030RW30 K3PG0GY	M	031TF			29900052		00846	-300		A	JS
SUSAP 03D K3FR30	R	040	0	M	CA		2990	+	01144			A	JS
SUSAP 03D K3FR30	R	050IDIXEK3EA0EY		DF				+	04500			A	JS
SUSAP 03D K3FR30	R	060IDIXEK3EA0EE	R	HM			11880040	+	04500			A	JS

[illegible]

QUALITY
4
CHECKED

SUP:	CHECKED
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OPATE	OPATE	010	IAF	HF	R	FO		299.1(302.1T)	004.0	AA 04500	
		OPATE	010	FACF	IF		FB				AA 04500	
		JOKAS	020	FAF	TF		FB	0.5	299.1(302.1T)	006.3	AA 02500	
		RW30	030	MAP	TF		FO	0.3	299.0(302.0T)	005.2	AT 00846	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		299.0(302.0T)		AA 01144	
	IDIXE	050		DF		FO				AA 04500	
	IDIXE	060		HM	R	FO		118.8(121.8T)	004.0	AA 04500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IDIXE	N403309.06	W0922654.49	N4033.151	W09226.908
	JOKAS	N402356.16	W0920732.89	N4023.936	W09207.548
	OPATE	N402035.26	W0920033.84	N4020.588	W09200.564
	RW30	N402641.49	W0921318.94	N4026.692	W09213.316

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	00806	40

QUALITY
4
CHECKED

CITY AND STATE MEMPHIS, MO	ELEVATION: 813	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 8 JANUARY 2015	SUP:
	AIRPORT NAME: MEMPHIS MEMORIAL			AMDT: NONE
				DATED: