

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.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
GQE VOR/DME	ZOKOR (FB)	105.90 / 17.70	4400	LPV: DA LNAV/VNAV: DA LNAV: RW18L			
MIOLA	TUNIE (FB)	238.35 / 25.24	4400				
MEM VORTAC	REISE (FO)	000.08 / 14.85	4400	CLIMB TO 900 THEN CLIMBING LEFT TURN TO 5000 DIRECT KEEZE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.			
ZOKOR (IAF)	REISE (NOPT) (FB)	087.91 / 7.67	4400				
TUNIE (IAF)	REISE (NOPT) (FB)	268.07 / 6.89	4400	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 331.00 INBOUND. CHART FAS OBST: 624 ATCT 350259N/0895854W DISTANCE TO THLD FROM 256 HAT: 0.69 NM. CHART VDP AT 1.66 MILES TO RW18L* *LNAV ONLY. WAAS CHANNEL # 53307 REFERENCE PATH ID: W18B CHART LOC RWY 18R LTP HAE: 57.2 M			
REISE (IF/IAF)	RONEE (FB)	178.00 / 7.68	2000				
RONEE (FAF)	RW18L (MAP) (FO)	178.00 / 5.15					
(SEE FORM 8260-10)							

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD N REISE, LT, 178.00 INBOUND, 4400 FT. IN LIEU OF PT (IAF)	
3. FAC: 178.00 FAF: RONEE	DIST FAF TO MAP: 5.15 THLD: 5.15
4. MIN. ALT: REISE 4400, RONEE 2000	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: 2000 GS ALT AT: RONEE 2000	OM: _____ MM: _____ IM: _____
7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS CLEAR	
8. MSA FROM: RW18L 2500	

MAG VAR: 1E EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD			
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	557	2400	256	557	2400	256	557	2400	256	557	2400	256			
LNAV/VNAV DA	874	1 1/2	573	874	1 1/2	573	874	1 1/2	573	874	1 1/2	573			
LNAV MDA	880	2400	579	880	2400	579	880	5000	579	880	6000	579			

CIRCLING	940	1	599	940	1	599	940	1 1/2	599	940	2	599			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 18R.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 (SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 341 TDZE: 301	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MEMPHIS, TN	AIRPORT NAME: MEMPHIS INTL		RNAV (GPS) Z RWY 18L, AMDT 2B	AMDT: 2A
			4 APRIL 2013	DATED 05/31/2012



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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW18L (MAP)	900 MSL	178.00	900
900 MSL	KEEZE (FO)		5000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GQE VOR/DME AIRWAY RADIALS 050 CW 121.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MIOLA VIA V11 NORTHBOUND.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.



CITY AND STATE

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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMEM
RUNWAY RW18L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18B
LTP/FTP LATITUDE 350255.7385N
LTP/FTP LONGITUDE 0895822.6250W
LTP/FTP ELLIPSOIDAL HEIGHT +00572
FPAP LATITUDE 350126.5090N
FPAP LONGITUDE 0895820.7305W
THRESHOLD CROSSING HEIGHT (TCH) 00060.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0008
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

935B60A2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00846
FPAP ORTHOMETRIC HEIGHT +00846

QUALITY
CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMEMK7FR18LZ	AGQE	010GQE	K4D OV	IF					18000		A JS	
SUSAP	KMEMK7FR18LZ	AGQE	020ZOKORK7EA0E	A	020TF		10590177	+	04400			A JS	
SUSAP	KMEMK7FR18LZ	AGQE	030REISEK7EA0EE	B	010TF		08790077	+	04400			A JS	
SUSAP	KMEMK7FR18LZ	AMEM	010MEM	K7D OV	IF					18000		A JS	
SUSAP	KMEMK7FR18LZ	AMEM	020REISEK7EA0EY		020TF		00010149	+	04400			A JS	
SUSAP	KMEMK7FR18LZ	AMEM	030REISEK7EA0EE	AL	HF		17800050	+	04400			A JS	
SUSAP	KMEMK7FR18LZ	AMIOLA	010MIOLAK7EA0E		IF					18000		A JS	
SUSAP	KMEMK7FR18LZ	AMIOLA	020TUNIEK7EA0E	A	020TF		23840252	+	04400			A JS	
SUSAP	KMEMK7FR18LZ	AMIOLA	030REISEK7EA0EE	B	010TF		26810069	+	04400			A JS	
SUSAP	KMEMK7FR18LZ	R	010REISEK7EA0E	I	IF			+	04400	18000		A JS	
SUSAP	KMEMK7FR18LZ	R	020RONEEK7EA1E	F	051TF		17800077	+	02000		RW18L K7PGA	JS	
SUSAP	KMEMK7FR18LZ	R	020RONEEK7EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KMEMK7FR18LZ	R	030RW18LK7PGOGY	M	031TF		17800052		00338	-300		A JS	
SUSAP	KMEMK7FR18LZ	R	040	O	M	CA	1780	+	00900			A JS	
SUSAP	KMEMK7FR18LZ	R	050KEEZЕК7EA0EY	L	DF			+	05000			A JS	
SUSAP	KMEMK7FR18LZ	R	060KEEZЕК7EA0EE	R	HM		33100050	+	05000			A JS	

[illegible]

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					AMDT: 2A
					DATED: 05/31/2012

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SUSAP KMEMK7GRW18L 0090001780 N35025574W089582263+0600 +0057200278000060150I

1 2 3 4 5 6 7 8 9 0 1 2 3
PP 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMEMK7PR18LZ RW18L001Z0000W18B0N3502557385W08958226250+005720300N3501265090W08958207305106750008000600F400500935B60A2
SUSAP KMEMK7PR18LZ RW18L002E +00846+00846LPV 53307

1 2 3 4 5 6 7 8 9 0 1 2 3
MSA 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KMEMK7SRW18LK7PG 0 18018002525 M



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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GQE	GQE	010		IF		FB					
	GQE	ZOKOR	020	IAF	TF		FB	2.0	105.9 (106.9T)	017.7	AA 04400	
	GQE	REISE	030		TF		FB	1.0	087.9 (088.9T)	007.7	AA 04400	
	MEM	MEM	010		IF		FB					
	MEM	REISE	020		TF		FO	2.0	000.1 (001.1T)	014.9	AA 04400	
	MEM	REISE	030	IAF	HF	L	FO		178.0 (179.0T)	005.0	AA 04400	
	MIOLA	MIOLA	010		IF		FB					
	MIOLA	TUNIE	020	IAF	TF		FB	2.0	238.4 (239.4T)	025.2	AA 04400	
	MIOLA	REISE	030		TF		FB	1.0	268.1 (269.1T)	006.9	AA 04400	
		REISE	010	FACF	IF		FB				AA 04400	
		RONEE	020	FAF	TF		FB	0.5	178.0 (179.0T)	007.7	AA 02000	
		RW18L	030	MAP	TF		FO	0.3	178.0 (179.0T)	005.2	AT 00338	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		178.0 (179.0T)		AA 00900	
	KEEZE	050		DF	L	FO				AA 05000	
	KEEZE	060		HM	R	FO		331.0 (332.0T)	005.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GQE	N352049.31	W0902841.37	N3520.822	W09028.690
	MEM	N350054.42	W0895859.55	N3500.907	W08958.993
	KEEZE	N345140.42	W0895302.25	N3451.674	W08953.038
	MIOLA	N352850.14	W0892343.44	N3528.836	W08923.724
	REISE	N351546.76	W0895839.04	N3515.779	W08958.651
	RONEE	N350805.00	W0895829.20	N3508.083	W08958.487
	TUNIE	N351553.78	W0895014.58	N3515.896	W08950.243
	ZOKOR	N351538.35	W0900800.90	N3515.639	W09008.015
	RW18L	N350255.74	W0895822.63	N3502.929	W08958.377

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18L	00278		60

QUALITY
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