

**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> KMEM	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 18C	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> MEMPHIS	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 341	<u>TDZE</u> 290	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 18C	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-19

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZOKOR	IAF	LAURI	NOPT	TF	FB	1.00	098.92	7.61	3900
TUNIE	IAF	LAURI	NOPT	TF	FB	1.00	260.45	7.14	3900
LAURI	IF/IAF	JALDO		TF	FB	1.00	180.01	6.10	2000
JALDO	FAF	RW18C	MAP	TF	FO	0.30	180.01	5.19	
RW18C	MAP	665 MSL		CA			180.01		
665 MSL		CEDEN		DF	FB	1.00			
CEDEN		KEEZE		TF	FO	1.00	137.26	6.41	5000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18C

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 DIRECT CEDEN AND ON TRACK 137.26 TO KEEZE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N LAURI, LT, 180.01 INBOUND, 3900 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 180.01FAF: JALDODIST FAF TO MAP: 5.19DIST FAF TO THLD: 5.19

4. MIN ALT: LAURI 3900, JALDO 2000

5. DIST TO THLD FROM OM:MM:IM:150 HAT:375 HAT: 1.07GS ANT:

6. MIN GP INCPT: 2000GP ALT AT FAF : JALDO 2000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 53.7

8. MSA FROM: RW18C 2600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C. ←

CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 5500 AND LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM. ←

ADDITIONAL FLIGHT DATA:

CHART LOC 18R

HOLD SE, RT, 333.00 INBOUND.

CHART FAS OBST: 621 ATCT (47-020204) 350259N/0895854W.

CHART VDP AT 1.74 NM TO RW18C.

WAAS CHANNEL # 97507

REFERENCE PATH ID: W18D

CHART CIRCLING ICON.

LTP HAE: 55 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4



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	665	3500	375	665	3500	375	665	3500	375	665	3500	375			
LNAV/VNAV DA	782	5000	492	782	5000	492	782	5000	492	782	5000	492			
LNAV MDA	880	2400	590	880	2400	590	880	1 1/4	590	880	1 1/4	590			
CIRCLING	940	1	599	940	1	599	940	1 3/4	599	1020	2 1/4	679			

CHANGES - REASONS

1. REMOVED GILMORE (GQE) VORTAC TO ZOKOR FIX FEEDER, MIOLA FIX TO TUNIE FIX FEEDER AND MEMPHIS (MEM) VORTAC TO LAURI FIX FEEDER - VORMON DECOMMISSIONING OF GQE AND MEM.
2. REMOVED CHART PLANVIEW NOTES: PROCEDURE NA FOR ARRIVAL ON GQE VOR/DME AIRWAY RADIALS 050 CW 188, AND PROCEDURE NA FOR ARRIVALS AT MIOLA ON V11 NORTHBOUND - GQE DECOMMISSIONING, MIOLA AND V11 REMOVED FROM PROCEDURE.
3. 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).
4. ADDED "20:1: IS CLEAR" TO PROFILE LINE 7 - IAW 8260.19I PARA 8-6-7.G (3).
5. AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 48°C (118°F) TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - FAHRENHEIT TEMPS REMOVED AND NEW ISA30 STANDARD USED IAW 8260.19I PARA 8-6-9.R.
6. ADDED "MAX 6000" TO PROFILE LINE 2 - IAW 8260.19I PARA 8-6-7.B (2).
7. ADDED ADDITIONAL FLIGHT DATA OBSTACLE ID TO FAS OBSTACLE - IAW 8260.19I AND MEMO 276 ATTACHMENT 4.
8. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CHART VDP AT 1.75 NM TO RW18C* TO CHART VDP AT 1.74 NM TO RW18C, REMOVED "**LNAV ONLY" - NEW EVALUATION, ASTERISK COMMENT NO LONGER REQUIRED.
9. REDUCED LPV ALL CATS VISIBILITY FROM 4000 TO 3500, LNAV/VNAV ALL CATS VISIBILITY FROM 6000 TO 5000 - CONFORMED TO NEW VISIBILITY TABLE.
10. INCREASED LNAV CAT C VISIBILITY FROM 5000 RVR TO 1 1/4 SM, CAT D FROM 6000 RVR TO 1 1/4 SM - CONFORMED TO NEW VISIBILITY TABLE.
11. INCREASED CIRCLING CAT C VISIBILITY FROM 1 1/2 SM TO 1 3/4 SM - CONFORMED TO NEW VISIBILITY TABLE.
12. AMENDED ADDITIONAL FLIGHT DATA: LTP HAE FROM 55.1 M TO 55 M - UPDATED DATABASE.
13. FAS DATA BLOCK INFORMATION CHANGES: LTP/FTP LAT/LONG CHANGED FROM 350316.5390N/0895834.2145W TO 350316.5410N/0895834.2155W, FPAP LAT/LONG CHANGED FROM 350126.5800N/0895831.9000W TO 350126.5735N/ 0895831.8975W, LTP/FTP ELLIPSOIDAL HEIGHT FROM +0051 TO +00550 RESULTING IN A CRC REMAINDER CODE CHANGE FROM E9621107 TO 3A2FCFF2 ON DATA CHANGES.
14. ADDED CHART NOTE "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 5500 AND LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM" - NEW VISIBILITY EVALUATION.

8/9/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 7/13/2021

1. TEMPERATURE CHANGED FROM "15" TO "-15" IN THE UNCOMPENSATED BARO-VNAV CHART NOTE.
2. ADDED "CHART NOTE:" TO THE INOPERATIVE ALS NOTE.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, MEM ATCT, KMEM AMGR.

FLIGHT CHECKED BY
PAUL ANTHONY GOSDEN
Digitally signed by
LONNIE EVERHART
Aug 09, 2021

OFFICE
FIOG
DATE
07/08/2021

DEVELOPED BY
DAVID TEFFETELLER (GORDON LEMON)
Digitally signed by
LONNIE EVERHART
Aug 09, 2021

OFFICE
AJV-A432
DATE
04/30/2021

APPROVED BY
LONNIE EVERHART
Digitally signed by
LONNIE EVERHART
Aug 09, 2021

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	KMEM
RUNWAY	RW18C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18D
LTP/FTP LATITUDE	350316.5410N
LTP/FTP LONGITUDE	0895834.2155W
LTP/FTP ELLIPSOIDAL HEIGHT	+00550
FPAP LATITUDE	350126.5735N
FPAP LONGITUDE	0895831.8975W
THRESHOLD CROSSING HEIGHT (TCH)	00053.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3A2FCFF2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00825
FPAP ORTHOMETRIC HEIGHT	+00825

