

**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 18L	<u>ORIGINAL/AMENDMENT</u> 2E	<u>CITY</u> MEMPHIS	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 341	<u>TDZE</u> 301	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 18L	<u>ORIGINAL/AMENDMENT</u> 2D	<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>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
ZOKOR	IAF	REISE	NOPT	TF	FB	1.00	089.91	7.67	4400
TUNIE	IAF	REISE	NOPT	TF	FB	1.00	270.07	6.89	4400
REISE	IF/IAF	RONEE		TF	FB	1.00	180.00	7.68	2000
RONEE	FAF	RW18L	MAP	TF	FO	0.30	180.00	5.15	
RW18L	MAP	900 MSL		CA	FB		180.00		900
900 MSL		KEEZE		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 5000 DIRECT 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 REISE, LT, 180.00 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 180.00FAF: RONEEDIST FAF TO MAP: 5.15DIST FAF TO THLD: 5.15

4. MIN ALT: REISE 4400, RONEE 2000

5. DIST TO THLD FROM OM:MM:IM:150 HAT:256 HAT: 0.69GS ANT:

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

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 60.0

8. MSA FROM: RW18L 2500

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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 SM AND LNAV CAT C/D VISIBILITY TO 1 5/8 SM.

ADDITIONAL FLIGHT DATA:

CHART LOC RWY 18R
HOLD SE, RT, 333.00 INBOUND.
CHART FAS OBST: 621 CONTROL_TOWER (47-020204) 350259N/0895854W.
CHART VDP AT 1.65 NM TO RW18L.
WAAS CHANNEL # 53307
REFERENCE PATH ID: W18B
CHART CIRCLING ICON.
LTP HAE: 57.2 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	557	1800	256	557	1800	256	557	1800	256	557	1800	256			
LNAV/VNAV DA	874	1 1/4	573	874	1 1/4	573	874	1 1/4	573	874	1 1/4	573			
LNAV MDA	880	2400	579	880	2400	579	880	1 1/4	579	880	1 1/4	579			
CIRCLING	940	1	599	940	1	599	940	1 5/8	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 REISE FIX FEEDER - VORMON DECOMMISSIONING OF GQE AND MEM.
2. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GQE VOR/DME AIRWAY RADIALS 050 CW 188. - GQE DECOMMISSIONING.
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 OBSTACLES - IAW 8260.19I AND MEMO 276 ATTACHMENT 4.
8. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CHART VDP AT 1.66 NM TO RW18L* TO CHART VDP AT 1.65 NM TO RW18L, REMOVED "LNAV ONLY" - NEW EVALUATION, ASTERISK COMMENT NO LONGER REQUIRED.
9. REDUCED LNAV/VNAV ALL CATS VISIBILITY FROM 1 1/2 SM TO 1 1/4 SM - CONFORM 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 - CONFORM TO NEW VISIBILITY TABLE.
11. INCREASED CIRCLING CAT C VISIBILITY FROM 1 1/2 SM TO 1 5/8 SM - CONFORM TO NEW VISIBILITY TABLE.
12. FAS DATA BLOCK INFORMATION CHANGES: LTP/FTP LAT/LONG CHANGED FROM 350255.7385N/0895822.6250W TO 350255.7400N/0895822.6225W, FPAP LAT/LONG CHANGED FROM 350126.5090N/0895820.7305W TO 350126.5100N/0895820.7495W, AND RESULTANT CRC REMAINDER CODE CHANGED FROM 935B60A2 TO 08F8A219.
13. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 5/8 SM AND LNAV CAT C/D VISIBILITY TO 1 5/8 SM" - NEW VISIBILITY EVALUATION.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PAUL A GOSDEN

Digitally signed by
LONNIE EVERHART
Jul 13, 2021

OFFICE

FICO

DATE

07/08/2021

DEVELOPED BY

DAVID TEFFETELLER (GORDON LEMON)

Digitally signed by
LONNIE EVERHART
Jul 13, 2021

OFFICE

AJV-A432

DATE

04/29/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by
LONNIE EVERHART
Jul 13, 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	RW18L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18B
LTP/FTP LATITUDE	350255.7400N
LTP/FTP LONGITUDE	0895822.6225W
LTP/FTP ELLIPSOIDAL HEIGHT	+00572
FPAP LATITUDE	350126.5100N
FPAP LONGITUDE	0895820.7495W
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	08F8A219

ADDITIONAL PATH POINT RECORD INFORMATION

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



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> KMEM	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 18L	<u>AMDT NO.</u> 2E	<u>CITY</u> MEMPHIS	<u>STATE</u> TN	<u>AIRPORT ELEVATION</u> 341	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
ZOKOR

TO
REISE

<u>RNP</u>	<u>DISTANCE</u> 7.67	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7.TOWER (47-000105)	351511.00N/0900259.00W		600	250	50	4D	1000				AT2800	4400
8.TERRAIN	351754.00N/0900303.00W		335 (300)								AS1500	1800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
TUNIE

TO
REISE

<u>RNP</u>	<u>DISTANCE</u> 6.89	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.TOWER (47-002622)	351234.34N/0894901.44W		1182	250	50	4D	1000				AT2218	4400
10.TERRAIN	351415.00N/0895318.00W		368 (400)								AS1500	1900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

REISE (IF/IAF)

TO

RONEE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	7.68											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TWR (47-000104)	351322.00N/0900237.00W		849	250	50	4D	500				DG651	2000
11.TERRAIN	351333.00N/0895442.00W		368 (400)								AS1500	1900

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:

FINAL: LPV

FROM

RONEE

TO

RW18L

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.15		DA	256								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC			XP56	557

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:

XP TO MAINTAIN CURRENT PUBLISHED MINIMA.



FINAL: LNAV/VNAV

FROM

RONEE

TO

RW18L

<u>RNP</u>	<u>DISTANCE</u> 5.15	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 573			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
13.ATCT (47-020204)	350258.77N/0895853.89W		621	20	3	1A	161				XP92	874

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

XP TO MAINTAIN CURRENT PUBLISHED MINIMA.

FINAL: LNAV

FROM

RONEE

TO

RW18L

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.15		RW18L		579							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
13.CONTROL_TOWER (47-020204)	350258.77N/0895853.89W		621	20	3	1A	250					880

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
REISE

TO
P-6

RNP	DISTANCE	PAT P-6	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (47-000104)	351322.00N/0900237.00W		849	250	50	4D	1000				AT2551	4400
14.TERRAIN	352553.60N/0895610.10W		455 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LPV

FROM
DA

TO
KEEZE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 351					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5000
15.TOWER (28-001642)	345144.34N/0895242.31W		949	500	125	5E	1000					2000
16.TERRAIN	345324.00N/0895109.00W		407 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV/VNAV

FROM
DA

TO
KEEZE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 713					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5000
15.TOWER (28-001642)	345144.34N/0895242.31W		949	500	125	5E	1000					2000
16.TERRAIN	345324.00N/0895109.00W		407 (400)								AS1500	1900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM
RW18L

TO
KEEZE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 780					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5000
15.TOWER (28-001642)	345144.34N/0895242.31W		949	500	125	5E	1000					2000
16.TERRAIN	345324.00N/0895109.00W		407 (400)								AS1500	1900

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
13.ATCT (47-020204)	350258.77N/0895853.89W	1.30	599	621	20	3	1A	300			940
CATEGORY B											
13.ATCT (47-020204)	350258.77N/0895853.89W	1.82	599	621	20	3	1A	300			940
CATEGORY C											
13.ATCT (47-020204)	350258.77N/0895853.89W	2.85	599	621	20	3	1A	300			940
CATEGORY D											
17.TOWER (47-001162)	350556.29N/0900226.35W	3.73	679	653	20	10	1B	300		XP67	1020

CIRCLING REMARKS:

XP CAT D - ADJUSTMENT TO MATCH PUBLISHED MINIMUMS.

MSA

CENTER
RW18L

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (05-000947)	352802.00N/0901127.00W	338	27.3	1486	500	50	5D	1000			2500

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
MEM APP CON, MEM TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KMEM	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KMEM	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
BACKUP ALTIMETER NOT REQUIRED DUE TO REDUNDANT LOCAL SOURCES.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW9 - MALSR, HIRL, C/LINE	PIR-G	APPROACH, ROLL OUT
RW18C - TDZ, MALSR, HIRL, C/LINE	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW18L - TDZ, MALSR, HIRL, C/LINE, PAPI-4L, TAXI WAY	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW18R - TDZ, MALSR, HIRL, C/LINE	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW27 - MALSR, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW36C - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW36L - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW36R - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 277.6	<u>TCH</u> 60.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 73.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -15C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -15C	<u>APT ISA</u> +14.33C
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CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 972 HIGH TEMP 1265.



"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION HEIGHT USED PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KMEM	PROCEDURE NAME RNAV (GPS) Z RWY 18L	AMDT NO. 2E	CITY MEMPHIS	STATE TN	AIRPORT ELEVATION 341	FACILITY RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.34
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.71
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	179.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	4.95
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	179.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	400

THRESHOLD
COORDINATES
(IF STR-IN)

350255.74N/0895822.62W

ARP COORDINATES

350232.68N/0895836.05W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 27 DISTANCE 1.38 NM

FAF
COORDINATES

350805.00N/0895829.20W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
16
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

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