

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> 2M8	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> MILLINGTON	<u>STATE</u> TN
<u>AIRPORT ELEVATION</u> 247	<u>TDZE</u> 246	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>DATED</u> 11/04/2021	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 1W <u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CUXEG	IAF	UZZKID		TF	FB	1.00	066.95	5.17	2500
ERPOW	IAF	UZZKID		TF	FB	1.00	333.85	9.74	2500
MEM VORTAC	IAF	UZZKID		TF	FB	1.00	007.61	7.49	2500
UZZKID	IF	YUCBU		TF	FB	1.00	020.40	4.00	1900
YUCBU	FAF	JEPGU/1.60 NM TO RW36		TF	FB	0.30	005.42	2.72	
JEPGU/1.60 NM TO RW36		RW36	MAP	TF	FO	0.30	005.42	1.60	
RW36	MAP	900 MSL		CA			005.42		
900 MSL		OZSOM		DF	FO	1.00			3000

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 DIRECT OZSOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. PROFILE STARTS AT UZZKID
3. FAC: 005.42
- FAC: YUCBU
- DIST FAF TO MAP: 4.32
- DIST FAF TO THLD: 4.32
4. MIN ALT: UZZKID 2500, YUCBU 1900, JEPGU/1.60 NM TO RW36 880
5. DIST TO THLD FROM OM: MM: IM:
- 150 HAT: 373 HAT: 0.87
- GS ANT:
6. MIN GP INCPT: 1900
- GP ALT AT FAF: YUCBU 1900
- OM:
- MM:
- IM:
7. GP ANGLE: 3.50
- 34:1: IS NOT CLEAR
- 20:1: IS CLEAR
- TCH: 53.0
8. MSA FROM: RW36 2500

QUALITY
26
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MILLINGTON-MEMPHIS ALTIMETER SETTING.

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

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: CIRCLING RWY 18 NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILLINGTON-MEMPHIS ALTIMETER SETTING: INCREASE LPV DA TO 643 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 707 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 081.00 INBOUND.

CHART FAS OBST: 422 TREE (47-083646) 351449N/0895540W.

CHART 430 TOWER 351432N/0895537W.

554 AAO 351239N/0895648W.

CHART VDP AT 0.93 NM TO RW36.

WAAS CHANNEL # 93924

REFERENCE PATH ID: W36A

CHART CIRCLING ICON.

LTP HAE: 46.5 M

MINIMUMS:

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

ALTERNATE: NA ☒

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	619	1	373	619	1	373	619	1	373		NA				
LNAV/VNAV DA	683	1 1/4	437	683	1 1/4	437	683	1 1/4	437		NA				
LNAV MDA	680	1	434	680	1	434	680	1 1/4	434		NA				
CIRCLING	760	1	513	860	1	613	900	1 3/4	653		NA				

CHANGES - REASONS

1. CHANGED LPV DA/HAT FROM 586/340 TO 619/373 - NEW CONTROLLING OBSTACLE AND TO CANCEL T-NOTAM 3/5252.
2. DELETED NOTE DME/DME RNP-0.3 NA – TO APPLY NEW PBN REQUIREMENTS NOTE, 8260.19I, 8-6-8.
3. ADDED PBN REQUIREMENTS NOTE: RNP APCH-GPS – APPLICATION OF NEW PBN NAVSPEC AND SENSOR REQUIREMENT 8260.19I, 8-6-8 (B2).
4. ADDED CHANGES FROM P-NOTAMS FOR AMDT ORIG-A AND ORIG-B WERE INCORPORATED INTO FORM - REQUIRED IAW 8260.19I, 8-3-4C (3).
5. REMOVED "LNAV ONLY" FROM ADDITIONAL FLIGHT DATA - IAW 8260.19I, 8-6-7 (D).
6. CHANGED ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILLINGTON-MEMPHIS ALTIMETER SETTING AND INCREASE LPV DA TO 610 FEET; INCREASE LNAV/VNAV DA TO 713 FEET; INCREASE ALL MDAS 40 FEET AND LNAV CAT C VISIBILITY 1/8 SM AND CIRCLING CAT C VISIBILITY 1/4 SM." TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MILLINGTON - MEMPHIS ALTIMETER SETTING: INCREASE LPV DA TO 643 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 707 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDA 40 FEET AND LNAV VISIBILITY CAT C 1/8 SM AND CIRCLING VISIBILITY CAT C 1/4 SM - IAW 8260.19I, 8-6-11 (N).
7. CHANGED FAS OBST: FROM "419 TREE 351446N/0895526W AND 379 TREE 351534N/0895540W" TO "422 TREE (47-083646) 351449N/0895540W" - IAW 8260.19I, 8-6-10 (C).
8. CHANGED NOTE TO READ: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C. – IAW 8260.19I, 8-6-9 (R).
9. CHANGED CRC REMAINDER FROM "9BAF6FFE" TO "0A22AE0E" – LTP/FTP LAT/LONG CHANGED FROM "351627.2795N/0895554.7445W" TO "351627.2850N/0895554.7430W" AND FPAP LAT/LONG CHANGED FROM "351756.2500N/0895546.3500W" TO "351756.2585N/0895546.3390W".
10. TERMINAL ROUTES MISSED APPROACH CA LEG ADDED - IAW 8260.58B, PARA 3-5-2.
11. ADDED "20:1 IS CLEAR" ON PROFILE LINE 7 - NO PENETRATIONS EXIST, IAW 8260.19I, PARA 8-6-7.G.(3).(A).
12. REMOVED "" FROM SDF MINIMUM ALTITUDE ON PROFILE LINE 4 AND CHART VDP AT 0.94 MILES TO RW36 IN ADDITIONAL FLIGHT DATA - IAW 8260.19I, PARA 1-1-5.F.(12) AND 8-6-10.M.
13. PROFILE LINE 5: ADDED DIST TO THLD FROM 373 HAT: 0.87; REMOVED ADDITIONAL FLIGHT DATA: "DISTANCE TO THLD FROM 340 HATH: 0.77 NM" - NEW CONTROLLING OBSTACLE AND UPDATED FORMS.
14. CHANGED ADDITIONAL FLIGHT DATA: CHART VDP AT 0.94 MILES TO RW36 TO 0.93 NM - NEW TARGETS EVALUATION.
15. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - IAW 8260.19I, PARA 8-6-10.S.
16. ADDED 554 AAO 351239.00N/0895648.00W AND CHART 430 TOWER 351432N/0895537W - IAW 8260.19I, PARA 8-6-10.E.
17. CHANGED LNAV/VNAV DA/HAT FROM 689/443 TO 683/437 – NEW CONTROLLING OBSTACLE AND FPT APPROVAL.
18. CHANGED LNAV/VNAV VISIBILITY CATS A/B/C FROM 1 3/8 TO 1 1/4 - IAW 8260-3E, TABLE 3-3-1.
19. CHANGED MISSED APPROACH INSTRUCTION FROM "CLIMB TO 3000 DIRECT OZSOM AND HOLD" TO "CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 DIRECT OZSOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000." - CA LEG ADDED WITH CLIMB TO ALTITUDE TO MITIGATE MISSED SECTION 2 PENETRATION.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME ARTCC, MEM APP, K2M8 AMGR

FLIGHT CHECKED BY	<i>Digitally signed by</i>	OFFICE	DATE
JOEL F HAWKLEY	DAVID DANNER	FPO	12/14/2023
	Dec 22, 2023		

DEVELOPED BY	<i>Digitally signed by</i>	OFFICE	DATE
ANDRE MARSH	ANDRE L MARSH	AJV-A421	03/24/2022
	Oct 16, 2023		

APPROVED BY	<i>Digitally signed by</i>	OFFICE	DATE	TITLE
MARLON J. ROBINSON	DAVID DANNER	AJV-A420		MANAGER
	Dec 22, 2023			



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	2M8
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	351627.2850N
LTP/FTP LONGITUDE	0895554.7430W
LTP/FTP ELLIPSOIDAL HEIGHT	+00465
FPAP LATITUDE	351756.2585N
FPAP LONGITUDE	0895546.3390W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	0A22AE0E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00739
FPAP ORTHOMETRIC HEIGHT	+00739

