

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</u> MILLINGTON-MEMPHIS	<u>AIRPORT ID</u> KNQA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> MILLINGTON	<u>STATE</u> TN	
<u>AIRPORT ELEVATION</u> 319	<u>TDZE</u> 292	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 0E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<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>
RYBRN		FAXIP		TF	FB	2.00	250.20	20.36	3000
FAXIP		YEGUG		TF	FB	2.00	201.52	8.62	3000
GQE VOR/DME		YEGUG		TF	FB	2.00	109.26	15.80	3000
YEGUG	IAF	CUXUP		TF	FB	1.00	128.72	8.00	3000
ZEDTU	IAF	CUXUP		TF	FB	1.00	025.25	3.96	3000
CUXUP	IF	URANY		TF	FB	1.00	038.79	8.00	2000
URANY	FAF	WETOB/1.60 NM TO RW04		TF	FB	0.30	038.85	3.63	
WETOB/1.60 NM TO RW04		RW04	MAP	TF	FO	0.30	038.85	1.60	
RW04	MAP	492 MSL		CA			038.85		
492 MSL		RYBRN		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT RYBRN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. PROFILE STARTS AT CUXUP
3. FAC:

038.85

FAF: URANY

DIST FAF TO MAP: 5.23

DIST FAF TO THLD: 5.23
4. MIN ALT: CUXUP 3000, URANY 2000, WETOB/1.60 NM TO RW04 840*
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.45
6. MIN GP INCPT:

2000

GP ALT AT FAF : URANY 2000

OM:

MM:

IM:
7. GP ANGLE:

3.01

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 55.0
8. MSA FROM: RW04 2500

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZEDTU ON V159 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FAXIP ON V124 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GQE VOR/DME ON AIRWAY RADIALS 017 CW 121.
CHART SPEED ICON IN PLANVIEW AT FAXIP: MAX 250 KIAS.

ADDITIONAL FLIGHT DATA:

FAS OBST: 530 AAO 351726N/0895649W
CHART CIRCLING ICON.
WAAS CHANNEL #78334
REFERENCE PATH ID: W04A
CHART FAS OBST: 441 TANK 352033N/0895343W.
HOLD NE, RT, 218.98 INBOUND
LTP HAE: 56.6 M

MINIMUMS:

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

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

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	492	3/4	200	492	3/4	200	492	3/4	200	492	3/4	200	492	3/4	200
LNAV/VNAV DA	746	1 1/2	454	746	1 1/2	454	746	1 1/2	454	746	1 1/2	454	746	1 1/2	454
LNAV MDA	700	1	408	700	1	408	700	1 1/4	408	700	1 1/4	408	700	1 1/4	408
CIRCLING	800	1	481	820	1	501	920	1 3/4	601	960	2 1/4	641	960	2 1/2	641



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
MILLINGTON-MEMPHIS	KNQA	RNAV (GPS) RWY 4	1B	MILLINGTON	TN

CHANGES - REASONS

1. AIRPORT NAME CHANGED FROM MILLINGTON RGNL JETPORT TO MILLINGTON-MEMPHIS - UPDATED TO MATCH CURRENT AIRPORT AIRNAV DATA.
2. CHANGED LPV DA FROM 475 TO 492 ALL CATS, CHANGED LNAV/VNAV DA FROM 729 TO 746 ALL CATS, CHANGED LNAV HAT FROM 425 TO 408 ALL CATS - STRAIGHT-IN MINIMUMS CHANGED DUE TO CHANGE FROM THRE 275 TO TDZE 292.
3. CHANGED CMDA/HAA CAT A FROM 820/501 TO 800/481, CAT C FROM 960/641 TO 920/601, AND CAT D/E FROM 1020/701 TO 960/641 - CMDA CHANGES DUE TO NEW CONTROLLING OBSTACLE (CAT A) AND CHANGE IN ACCURACY CODE (FROM 5D TO 1A) OF CONTROLLING OBSTACLES (CATS C/D/E).
4. CHANGED VGSI AND RNAV GLIDEPATH NOT COINCIDENT CHART PROFILE NOTE TO INCLUDE VGSI ANGLE/TCH - UPDATED NOTE TO MEET 8260.19H SECTION 8-6-9.M.(1) CRITERIA.
5. ADDED "20:1 IS CLEAR" TO LINE 7 - NO 20:1 PENETRATIONS TO RUNWAY 04 VISUAL AREA. INFORMATION ADDED IAW 8260.19H SECTION 8-6-7.G.(3) CRITERIA.
6. REMOVED NOTE "@ NA WHEN LOCAL WEATHER NOT AVAILABLE" - WEATHER SOURCE TRANSMITTED TO WMSCR.
7. MOVED CHART NOTE: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE MEMPHIS ALTIMETER SETTING AND INCREASE ALL DA 48 FEET AND ALL MDA 60 FEET AND INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D/E AND CIRCLING CATS C/D/E VISIBILITY 1/4 MILE." TO 8260-9 - AIRFIELD ALTIMETER SOURCE TRANSMITTED TO WMSCR. INFORMATION MOVED TO 8260-9 FOR CONTINGENCY PURPOSES IAW 8260.19H SECTION 8-6-9.F.(3) CRITERIA.
8. CHANGED HELICOPTER VISIBILITY CHART NOTE TO READ "RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - ADDED "RWY 4" IAW 8260.19H SECTION 8-6-11.K.(3).
9. CHANGED REFERENCES OF "475" TO "492" IN MISSED APPROACH TERMINAL ROUTES. - CHANGED TO MATCH INCREASE IN LPV DA (LOWEST ALTITUDE OF DA, MDA, OR 400 FEET ABOVE AIRPORT ELEVATION).
10. REMOVED DME/DME RNP-0.3 NA NOTE - REPLACED WITH PBN REQUIREMENTS NOTE: RNP APCH.



<u>AIRPORT</u> MILLINGTON-MEMPHIS	<u>AIRPORT ID</u> KNQA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> MILLINGTON	<u>STATE</u> TN
<u>COORDINATED WITH:</u>					
A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZME, MEM ATCT, AMGR					
<u>FLIGHT CHECKED BY</u>		<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
MARC J HINCK		BEV L BORDY	FICO	6/21/18	
		Jun 25, 2018			
<u>DEVELOPED BY</u>		<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	
VICTOR B. NASO (BRENT WEATHERS)		BEV L BORDY	AJV-5413	12/15/2017	
		Jun 25, 2018			
<u>APPROVED BY</u>		<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
GEORGE DAVIS		BEV L BORDY	AJV-5410		MANAGER
		Jun 25, 2018			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KNQA
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	352053.1085N
LTP/FTP LONGITUDE	0895243.8670W
LTP/FTP ELLIPSOIDAL HEIGHT	+00566
FPAP LATITUDE	352202.5625N
FPAP LONGITUDE	0895135.4685W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.01
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	E4BF7EF5
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00839
FPAP ORTHOMETRIC HEIGHT	+00839

