

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	LPV: DA LNAV/VNAV: DA LNAV: RW23 CLIMB TO 3000 DIRECT CORPA AND ON TRACK 233.77 TO ETOWA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 053.71 INBOUND. CHART FAS OBST: 1227 TREE 353349N/0842216W DISTANCE TO THLD FROM 346 HATH: 0.89 NM. WAAS CHANNEL # 72831 REFERENCE PATH ID: W23A LTP HAE: 275.3 M											
ETOWA	IJFIJ (FO)	049.45 / 21.46	4000												
SWASO (IAF)	IJFIJ (NOPT) (FB)	173.48 / 11.06	4000												
VXV VORTAC (IAF)	IJFIJ (NOPT) (FB)	234.01 / 20.67	4000												
IJFIJ (IF/IAF)	OCACA (FB)	227.89 / 6.00	2700												
OCACA (FAF)	WULBA/2.10 NM TO RW23 (FB)	227.84 / 3.04													
WULBA/2.10 NM TO RW23 (SEE FORM 8260-10)	RW23 (MAP) (FO)	227.84 / 2.10													
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N IJFIJ, RT, 197.89 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>227.84</u> FAF: <u>OCACA</u> DIST FAF TO MAP: <u>5.14</u> THLD: <u>5.14</u> 4. MIN. ALT: IJFIJ 4000, OCACA 2700, WULBA/2.10 NM TO RW23 1720* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2700</u> GS ALT AT: <u>OCACA 2700</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>60.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW23 6800</u>				MAG VAR: 4W EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A <input type="checkbox"/> X <input type="checkbox"/>												
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	1348	1 1/8	346	1348	1 1/8	346	1348	1 1/8	346		NA				
LNAV/VNAV DA	1520	1 3/4	518	1520	1 3/4	518	1520	1 3/4	518		NA				
LNAV MDA	1480	1	478	1480	1	478	1480	3/8	478		NA				
CIRCLING	1620	1	589	1620	1	589	1620	1 1/2	589		NA				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MCGHEE-TYSON ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA NW OF RWY 5-23. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1031 THRE: 1002		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
MADISONVILLE, TN		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 23, AMDT 2 7 MARCH 2013				AMDT: 1					
		MONROE COUNTY								DATED		05/07/2009			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW23 (MAP)	1348 MSL	227.84	
1348 MSL	CORPA (FB)		
CORPA	ETOWA (FO)	233.77 / 6.25	3000

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MCGHEE-TYSON ALTIMETER SETTING AND INCREASE ALL DA 64 FEET AND ALL MDA 80 FEET AND INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT C, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON VXV VORTAC AIRWAY RADIALS 184 CW 307.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: PROCEDURE NA AT NIGHT.

QUALITY
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CITY AND STATE
 MADISONVILLE, TN

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 MONROE COUNTY

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 23, AMDT 2
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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
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 KMNV
RUNWAY RW23
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W23A
LTP/FTP LATITUDE 353254.8395N
LTP/FTP LONGITUDE 0842235.3585W
LTP/FTP ELLIPSOIDAL HEIGHT +02753
FPAP LATITUDE 353150.4300N
FPAP LONGITUDE 0842350.9200W
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 1680
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

260E92E9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +03055
FPAP ORTHOMETRIC HEIGHT +03055



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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMNVK7FR23	AETOWA	010ETOWAK7EA0E	IF						18000		A JS	
SUSAP	KMNVK7FR23	AETOWA	020IJFIJK7EA0EY	020TF		04950215	+	04000				A JS	
SUSAP	KMNVK7FR23	AETOWA	030IJFIJK7EA0EE	AR HF		19790040	+	04000				A JS	
SUSAP	KMNVK7FR23	ASWASO	010SWASOK7EA0E	A IF						18000		A JS	
SUSAP	KMNVK7FR23	ASWASO	020IJFIJK7EA0EE	B 010TF		17350111	+	04000				A JS	
SUSAP	KMNVK7FR23	AVXV	010VXV	K7D 0V A IF						18000		A JS	
SUSAP	KMNVK7FR23	AVXV	020IJFIJK7EA0EE	B 010TF		23400207	+	04000				A JS	
SUSAP	KMNVK7FR23	R	010IJFIJK7EA0E	I IF						18000		A JS	
SUSAP	KMNVK7FR23	R	020OCACAK7EA1E	F 051TF		22790060	+	02700			RW23	K7PGA	JS
SUSAP	KMNVK7FR23	R	020OCACAK7EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KMNVK7FR23	R	021WULBAK7EA0E	S 031TF		22780030	V	0172001731		-300		A JS	
SUSAP	KMNVK7FR23	R	030RW23	K7PG0GY M 031TF		22780021		01062		-300		A JS	
SUSAP	KMNVK7FR23	R	040	0 M CA		2278	+	01348				A JS	
SUSAP	KMNVK7FR23	R	050CORPAK7EA0E	DF								A JS	
SUSAP	KMNVK7FR23	R	060ETOWAK7EA0EY	010TF		2338	+	03000				A JS	
SUSAP	KMNVK7FR23	R	070ETOWAK7EA0EE	R HM		05370040	+	03000				A JS	

[illegible]

CITY AND STATE MADISONVILLE, TN	ELEVATION: 1031 THRE: 1002 AIRPORT NAME: MONROE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 23, AMDT 2	AMDT: 1
			7 MARCH 2013	DATED: 05/07/2009

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[illegible]

QUALITY
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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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
ETOWA	ETOWA	ETOWA	010		IF		FB					
ETOWA	IJFIJ	IJFIJ	020		TF		FO	2.0	049.5 (045.5T)	021.5	AA 04000	
ETOWA	IJFIJ	IJFIJ	030	IAF	HF	R	FO		197.9 (193.9T)	004.0	AA 04000	
SWASO	SWASO	SWASO	010	IAF	IF		FB					
SWASO	IJFIJ	IJFIJ	020		TF		FB	1.0	173.5 (169.5T)	011.1	AA 04000	
VXV	VXV	VXV	010	IAF	IF		FB					
VXV	IJFIJ	IJFIJ	020		TF		FB	1.0	234.0 (230.0T)	020.7	AA 04000	
	IJFIJ	IJFIJ	010	FACF	IF		FB				AA 04000	
	OCACA	OCACA	020	FAF	TF		FB	0.5	227.9 (223.9T)	006.0	AA 02700	
	WULBA	WULBA	021	SDF	TF		FB	0.3	227.8 (223.8T)	003.0	AA 01720	GS 01731
	RW23	RW23	030	MAP	TF		FO	0.3	227.8 (223.8T)	002.1	AT 01062	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		227.8 (223.8T)		AA 01348	
	CORPA	050		DF		FB					
	ETOWA	060		TF		FO	1.0	233.8 (229.8T)		AA 03000	
	ETOWA	070		HM	R	FO		053.7 (049.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	VXV	N355417.42	W0835341.02	N3554.290	W08353.684
	CORPA	N352944.08	W0842618.94	N3529.735	W08426.316
	ETOWA	N352554.77	W0843153.57	N3525.913	W08431.893
	IJFIJ	N354057.72	W0841307.37	N3540.962	W08413.123
	OCACA	N353637.78	W0841813.46	N3536.630	W08418.224
	SWASO	N355151.26	W0841536.16	N3551.854	W08415.603
	WULBA	N353425.91	W0842048.45	N3534.432	W08420.808
	RW23	N353254.84	W0842235.36	N3532.914	W08422.589

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	01002	60



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	MONROE COUNTY	RNAV	7 MARCH 2013	DATED: 05/07/2009	