

<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>				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.											
<b>TERMINAL ROUTES</b>				<b>MISSED APPROACH</b>											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW20  CLIMB TO 3000 DIRECT HUROG AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD S, RT, 021.09 INBOUND. CHART FAS OBST: 849 TREE 353259N/0864758W DISTANCE TO THLD FROM 267 HATH: 0.71 NM. CHART VDP AT 1.00 MILES TO RW20* *LNAV ONLY. WAAS CHANNEL # 56619 REFERENCE PATH ID: W20A CHART CIRCLING ICON LTP HAE: 188.3 M											
EPZUF (IAF)	OXSEZ (NOPT) (FB)	271.25 / 5.90	3000												
UZLEV (IAF)	OXSEZ (NOPT) (FB)	131.12 / 5.90	3000												
OXSEZ (IF/IAF)	MATAW (FB)	201.18 / 6.02	2500												
MATAW (FAF)	EYVAK/1.80 NM TO RW20 (FB)	201.16 / 3.70													
EYVAK/1.80 NM TO RW20	RW20 (MAP) (FO)	201.16 / 1.80													
RW20 (MAP)	976 MSL	201.16													
976 MSL	HUROG (FO)		3000												
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD N OXSEZ, RT, 201.18 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>201.16</u> FAF: <u>MATAW</u> DIST FAF TO MAP: <u>5.50</u> THLD: <u>5.50</u> 4. MIN. ALT: <u>OXSEZ 3000, MATAW 2500, EYVAK/1.80 NM TO RW20 1320*</u> 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>2500</u> GS ALT AT: <u>MATAW 2500</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>      </u>				MAG VAR: 3W EPOCH YEAR: 2010											
<b>MINIMUMS</b>															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A <input checked="" type="checkbox"/> X											
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	1002	1	293	1002	1	293	1002	1	293	1002	1	293			
LNAV/VNAV DA	976	7/8	267	976	7/8	267	976	7/8	267	976	7/8	267			
LNAV MDA	1100	1	391	1100	1	391	1100	1 1/8	391	1100	1 1/8	391			
CIRCLING	1280	1	563	1480	1	763	1520	2 1/4	803	1640	3	923			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NASHVILLE INTL ALTIMETER SETTING AND (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 717 THRE: 709		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
LEWISBURG, TN		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 20, AMDT 1				AMDT:		ORIG			
		ELLINGTON				19 SEPTEMBER 2013				DATED		09/23/2010			

**RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**NOTES, (CONT.):**

INCREASE ALL DA 103 FEET AND ALL MDA 120 FEET; INCREASE LPV ALL CATS AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE AND INCREASE LNAV CAT C/D AND CIRCLING CAT B 1/4 MILE AND CIRCLING CAT C 1/2 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING NASHVILLE INTL ALTIMETER SETTING.

CHART NOTE: CIRCLING TO RWY 2 NA AT NIGHT.

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

**TAA**

	FROM	TO	ALT
1.	131/30 CW 271/30 (NOPT)	131/10 CW 271/10	4100
2.	131/10 CW 271/10	OXSEZ (IF/IAF) (FB)	3000
3.	271/30 CW 021/30	EPZUF (IAF) (FB)	3800
4.	021/30 CW 131/30	UZLEV (IAF) (FB)	3000

CITY AND STATE

LEWISBURG, TN

ELEVATION: 717

THRE: 709

AIRPORT NAME:

ELLINGTON

 FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, AMDT 1

19 SEPTEMBER 2013

SUP:

AMDT: ORIG

DATED: 09/23/2010

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION****DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLUG
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	353048.6120N
LTP/FTP LONGITUDE	0864804.5755W
LTP/FTP ELLIPSOIDAL HEIGHT	+01883
FPAP LATITUDE	352923.8100N
FPAP LONGITUDE	0864838.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

**CRC REMAINDER**

93A28C70

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02161
FPAP ORTHOMETRIC HEIGHT	+02161

CITY AND STATE

LEWISBURG, TN

ELEVATION: 717

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AIRPORT NAME:

ELLINGTON

FACILITY  
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RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, AMDT 1

19 SEPTEMBER 2013

SUP:

AMDT: ORIG

DATED: 09/23/2010

QUALITY  
2  
2010

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KLUGK7FR20	AEPZUF	010EPZUFK7EA0E	A	IF						18000		A	JS
SUSAP KLUGK7FR20	AEPZUF	020OXSEZK7EA0EE	B	010TF		27130059		+ 03000				A	JS
SUSAP KLUGK7FR20	AOXSEZ	010OXSEZK7EA0EE	AR	HF		20120040		+ 03000		18000		A	JS
SUSAP KLUGK7FR20	AUZLEV	010UZLEV K7EA0E	A	IF						18000		A	JS
SUSAP KLUGK7FR20	AUZLEV	020OXSEZK7EA0EE	B	010TF		13110059		+ 03000				A	JS
SUSAP KLUGK7FR20	R	010OXSEZK7EA0E	I	IF				+ 03000		18000		A	JS
SUSAP KLUGK7FR20	R	020MATAWK7EA1E	F	051TF		20120060		+ 02500				A	JS
SUSAP KLUGK7FR20	R	020MATAWK7EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KLUGK7FR20	R	021EYVAKK7EA0E	S	031TF		20120037	V	0132001322		-300		A	JS
SUSAP KLUGK7FR20	R	030RW20 K7PGOGY	M	031TF		20120018		00749		-300		A	JS
SUSAP KLUGK7FR20	R	040	0	M	CA	2012		+ 00976				A	JS
SUSAP KLUGK7FR20	R	050HUROGK7EA0EY		DF				+ 03000				A	JS
SUSAP KLUGK7FR20	R	060HUROGK7EA0EE	R	HM		02110040		+ 03000				A	JS

[illegible][illegible]

SUP:	
AMDT:	ORIG
DATED:	09/23/2010

**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
	EPZUF	EPZUF	010	IAF	IF		FB					
	EPZUF	OXSEZ	020		TF		FB	1.0	271.3 (258.3T)	005.9	AA 03000	
	OXSEZ	OXSEZ	010	IAF	HF	R	FO		201.2 (198.2T)	004.0	AA 03000	
	UZLEV	UZLEV	010	IAF	IF		FB					
	UZLEV	OXSEZ	020		TF		FB	1.0	131.1 (128.1T)	005.9	AA 03000	
		OXSEZ	010	FACF	IF		FB				AA 03000	
		MATAW	020	PAF	TF		FB	0.5	201.2 (198.2T)	006.0	AA 02500	
		EYVAK	021	SDF	TF		FB	0.3	201.2 (198.2T)	003.7	AA 01320 GS 01322	
		RW20	030	MAP	TF		FO	0.3	201.2 (198.2T)	001.8	AT 00749	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		201.2 (198.2T)		AA 00976	
	HUROG	050		DF		FO				AA 03000	
	HUROG	060		HM	R	FO		021.1 (018.1T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EPZUF	N354157.41	W0863625.95	N3541.957	W08636.433
	EYVAK	N353231.40	W0864723.38	N3532.523	W08647.390
	HUROG	N351905.33	W0865245.56	N3519.089	W08652.759
	MATAW	N353602.59	W0864558.62	N3536.043	W08645.977
	OXSEZ	N354146.37	W0864340.37	N3541.773	W08643.673
	UZLEV	N354525.38	W0864922.27	N3545.423	W08649.371
	RW20	N353048.61	W0864804.58	N3530.810	W08648.076

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	00709	40

QUALITY  
4  
CHECKED

CITY AND STATE <b>LEWISBURG, TN</b>	ELEVATION: <b>717</b>	THRE: <b>709</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	<b>ELLINGTON</b>	<b>RNAV</b>	<b>RNAV (GPS) RWY 20, AMDT 1</b>	AMDT: <b>ORIG</b>
				<b>19 SEPTEMBER 2013</b>	DATED: <b>09/23/2010</b>