

**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> LUG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> LEWISBURG	<u>STATE</u> TN
<u>AIRPORT ELEVATION</u> 718	<u>TDZE</u> 718	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>DATED</u> 01/27/2022	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2010
				<u>CANCEL/SUSPEND</u>

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 291/30 CW 111/30	NOPT	291/10 CW 111/10		3300
2. 291/10 CW 111/10		HUROG	IF/IAF	3000
3. 111/30 CW 201/30		WOSKU	IAF	3000
4. 201/30 CW 291/30		201/10 CW 291/10		4100
5. 201/10 CW 291/10		ZOKOL	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZOKOL	IAF	HUROG	NOPT	TF	FB	1.00	291.15	6.40	3000
WOSKU	IAF	HUROG	NOPT	TF	FB	1.00	111.01	6.40	3000
HUROG	IF/IAF	JIGLU		TF	FB	1.00	021.08	6.56	2500
JIGLU	FAF	JOROT/2.64 NM TO RW02		TF	FB	0.30	021.12	2.28	
JOROT/2.64 NM TO RW02		RW02	MAP	TF	FO	0.30	021.12	2.64	
RW02	MAP	1300 MSL		CA			021.12		1300
1300 MSL		HUROG		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW02

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT HUROG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD S HUROG, RT, 021.08 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	021.12	FAF:	JIGLU	DIST FAF TO MAP:	4.93	DIST FAF TO THLD:	4.93							
4.	MIN ALT:	HUROG 3000, JIGLU 2500, JOROT/2.64 NM TO RW02 1700													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		275 HAT:	0.63	GS ANT:				
6.	MIN GP INCPT:	2500	GP ALT AT PFAF:	JIGLU 2500					OM:		MM:			IM:	
7.	GP ANGLE:	3.30	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	55.2							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BNA ALTIMETER SETTING.
CHART NOTE: CIRCLING RWY 20 NA AT NIGHT.
CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BNA ALTIMETER SETTING AND INCREASE LPV DA TO 1096 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1531 FEET AND ALL VISIBILITIES 1/2 SM. INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT B 1/4 SM, CATS C AND D 1/2 SM, CIRCLING VISIBILITY CATS A AND B 1/4 SM AND CAT C 1/2 SM.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 1160 TOWER (47-001821) 352752N/0864916W.
CHART VDP AT 1.84 NM TO RW02.
WAAS CHANNEL # 93934
REFERENCE PATH ID: W02A
CHART CIRCLING ICON.
LTP HAE: 191.1 M

MINIMUMS:

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

ALTERNATE: NA ☒

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	993	7/8	275	993	7/8	275	993	7/8	275		NA				
LNAV/VNAV DA	1428	2	710	1428	2	710	1428	2	710		NA				
LNAV MDA	1420	1	702	1420	1	702	1420	2	702	1420	2	702			
CIRCLING	1420	1	702	1480	1	762	1540	2 1/2	822	1640	3	922			



CHANGES - REASONS

- CHART NOTE - CHANGED CHART NOTE, "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NASHVILLE INTL ALTIMETER SETTING: INCREASE LPV DA TO 1096 FEET AND ALL VISIBILITIES 1/8 SM AND LNAV/VNAV DA TO 1531 FT AND ALL VISIBILITIES 1/2 SM; INCREASE ALL MDA 120 FEET AND VISIBILITY LNAV CATS B/C/D AND CIRCLING CATS A/B/C 1/2 SM;" TO, "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BNA ALTIMETER SETTING AND INCREASE LPV DA TO 1096 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAV/VNAV DA TO 1531 FEET AND ALL VISIBILITIES 1/2 SM. INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT B 1/4 SM, CATS C AND D 1/2 SM, CIRCLING VISIBILITY CATS A AND B 1/4 SM AND CAT C 1/2 SM." - IAW 8260.19 8-6-12 & INOP COMPONENTS TABLE.

- TAA - STRAIGHT IN CHANGED FROM 311/30 CW 091/30 (NOPT), 311/10 CW 091/10 3200 TO 291/30 CW 111/30 NOPT 291/10 CW 111/10 3300 - REDESIGN TO BASIC T AND NEW OBSTACLE EVAL.

- TAA - STRAIGHT IN STEPDOWN CHANGED 311/10 CW 091/10 HUOG IF/IAF 3000 TO 291/10 CW 111/10 HUOG IF/IAF 3000 - REDESIGN TO BASIC T.

- TAA - LEFT BASE CHANGED FROM 091/30 CW 201/30 WOSKU IAF 3000 TO 111/30 CW 201/30 WOSKU IAF 3000 - REDESIGN TO BASIC T.

- TAA - RIGHT BASE CHANGED FROM 201/30 CW 311/30 201/10 CW 311/10 4100 TO 201/30 CW 291/30 201/10 CW 291/10 4100 - REDESIGN TO BASIC T.

- TAA - RIGHT BASE STEPDOWN CHANGED FROM 201/10 CW 311/10 ZOKOL IAF 3000 TO 201/10 CW 291/10 ZOKOL IAF 3000 - REDESIGN TO BASIC T.

- TERMINAL ROUTES - FIX OXSEZ REMOVED - MISSED HOLDING RELOCATED TO HUOG, ATC REQUEST.

- TERMINAL ROUTES - ZOKOL TO HUOG COURSE AND DISTANCE CHANGED FROM 311.15 AND 6 TO 291.15 AND 6.4 - BASIC T CONFIGURATION USED IAW 8260.58 2-4-2A.

- TERMINAL ROUTES - WOSKU TO HUOG COURSE AND DISTANCE CHANGED FROM 91.02 AND 6 TO 111.01 AND 6.4 - BASIC T CONFIGURATION USED IAW 8260.58 2-4-2A.

- TERMINAL ROUTES - HUOG TO JIGLU COURSE CHANGED FROM 21.09 TO 21.08 - PFAF JIGLU MOVED BASED ON ANGLE/TCH.

- TERMINAL ROUTES - JIGLU TO JOROT COURSE AND DISTANCE CHANGED FROM 21.11 AND 2.33 TO 21.12 AND 2.28 - PFAF AND STEPDOWN REALIGNED BASED ON ANGLE/TCH AND NEW OBSTACLE EVAL.

- TERMINAL ROUTES - JOROT TO RW02 COURSE AND DISTANCE CHANGED FROM 21.11/2.6 TO 21.12/2.64 - PFAF AND STEPDOWN REALIGNED BASED ON ANGLE/TCH AND NEW OBSTACLE EVAL.

- TERMINAL ROUTES - CA CHANGED FROM 993 TO 1300 AND ADDED TO ALTITUDE FIELD IN TERMINAL ROUTES - IAW 8260.58 3-5-2, CA LEG TO 1300 TO AVOID TERRAIN AND OBSTACLES BEFORE TURNING.

- MISSED APPROACH INSTRUCTIONS - CHANGED FROM CLIMB TO 3000 DIRECT OXSEZ AND HOLD TO CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT HUOG AND HOLD - MISSED HOLDING MOVED PER ATC REQUEST.

- PROFILE - LINE 2 CHANGED FROM "HOLD S HUOG, RT, 021.09 INBOUND, 3000 FT, IN LIEU OF PT (IAF)" TO "HOLD S HUOG, RT, 021.08 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000" - FIXES REALIGNED BASED ON ANGLE/TCH.

- PROFILE - LINE 4 CHANGED FROM JOROT/2.60 NM TO RW02 1680* TO JOROT/2.64 NM TO RW02 1700 - JOROT MOVED BASED ON NEW OBSTACLE EVAL AND ASTERISK NO LONGER REQUIRED.

- PROFILE - LINE 7 TCH CHANGED FROM 55.0 TO 55.2 - MATCH VGSI DATA.

- PROFILE VIEW - REMOVE *LNAV ONLY - NO LONGER REQUIRED.

- CHART NOTE - ADDED VDP NA WITH BNA ALTIMETER SETTING - IAW 8260.19 8-6-10 E.(9).

- ADDITIONAL FLIGHT DATA - ADDED CHART VDP AT 1.84 NM TO RW02 - RWY 02 20:1 SURFACE NO LONGER PENETRATED.

- FAS DATA - CRC REMAINDER CHANGED FROM 12473AB2 TO A2DD600F - LTP/FTP LAT/LONG CHANGED FROM 353001.6035N 0864823.4080W TO 353001.6045N 0864823.4120W, LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +01908 TO 01911, FPAP LAT/LONG CHANGED FROM 353126.4000N 0864749.4400W TO 353126.4045N 0864749.4270W, TCH CHANGED FROM 55.0 TO 55.2 AND LTP / FPAP ORTHOMETRIC HEIGHT CHANGED FROM +02185 TO +02190.

COORDINATED WITH:

A4A

ALPA

☒

AOPA

☒

APA

HAI

NBAA

☒

OTHER:

ZME, AMGR, EST FPT

FLIGHT CHECKED BY

KYLE P-CTR SANTOSOUS

Digitally signed by
ROBERT G HAMILTON
Mar 03, 2025

OFFICE

AJF

DATE

02/27/2025

DEVELOPED BY

JOHN BORDY (JOHN BRUNO)

Digitally signed by
ROBERT G HAMILTON
Mar 03, 2025

OFFICE

AJV-33

DATE

10/01/2024

APPROVED BY

JOHN BORDY

Digitally signed by
ROBERT G HAMILTON
Mar 03, 2025

OFFICE

AJV-33

DATE

04/17/2025

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLUG
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	353001.6045N
LTP/FTP LONGITUDE	0864823.4120W
LTP/FTP ELLIPSOIDAL HEIGHT	+01911
FPAP LATITUDE	353126.4045N
FPAP LONGITUDE	0864749.4270W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.30
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A2DD600F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02190
FPAP ORTHOMETRIC HEIGHT	+02190

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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
LUG	RNAV (GPS) RWY 2	2	LEWISBURG	TN	718	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 291/30 CW 111/30 **TO** 291/10 CW 111/10

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (47-086267)	350636.03N/0861654.83W	1238	250	50	4D	2000					3300
TERRAIN	351718.00N/0864606.00W	1204 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 291/10 CW 111/10 **TO** HUROG

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (47-002510)	351656.00N/0870618.00W	1455	500	125	5E	1000				AT545	3000
TERRAIN	351718.00N/0864606.00W	1204 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:

LEFT BASE AREA

FROM

111/30 CW 201/30

TO

WOSKU

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (47-002535)	352314.00N/0864714.00W	1482	500	125	5E	1000				AT518	3000
TERRAIN	354521.00N/0864430.00W	1253 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

201/30 CW 291/30

TO

201/10 CW 291/10

<u>RNP</u>	<u>DISTANCE</u>	<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>
AAO	350333.00N/0861027.00W	2057	215	8	4B	2000					4100
TERRAIN	353927.00N/0862254.00W	1322 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

201/10 CW 291/10

TO

ZOKOL

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (47-001039)	352305.61N/0864541.06W	1536	20	3	1A	1000				AT464	3000
TERRAIN	352415.00N/0864336.00W	1269 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

ZOKOL

TO

HUROG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
1.00	6.40										
<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>
AAO	351824.00N/0864403.00W	1411	215	8	4B	1000				AT589	3000
TERRAIN	351803.00N/0864536.00W	1207 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

WOSKU

TO

HUROG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	6.40										
<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>
TOWER (47-001873)	351708.50N/0865220.20W	1353	50	10	2B	1000				AT647	3000
TERRAIN	352100.00N/0865357.00W	1108 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

HUROG (IF/IAF)

TO

JIGLU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	6.56										
<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>
TOWER (47-001355)	352401.27N/0865257.01W	1439	500	125	5E	500				AC125 AT436	2500
TERRAIN	352203.00N/0864842.00W	1233 (1200)								AS1000	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

JIGLU

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.93		DA	275	

<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>
TREE (47-030940)	352942.72N/0864833.73W	794	50	20	2C		30.91:1			AC20	993

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

JIGLU

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.93		DA	710	

<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>
TREE (47-071971)	352839.72N/0864943.14W	1076	20	3	1A		21.26:1			SA-6 XP358	1428

COMPUTATIONS

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

SEGMENT REMARKS:

XP = MATCH PUBLISHED

FINAL: LNAV

FROM

JIGLU

TO

JOROT/2.64 NM TO RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.28										
<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>
AAO	352609.00N/0864954.00W	1316	215	8	4B	250				RA120	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

JOROT/2.64 NM TO RW02

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.64		RW02		702						
<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>
TOWER (47-001821)	352752.00N/0864916.00W	1160	20	3	1A	250					1420

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

HUROG

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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>
AAO	352203.00N/0864842.00W	1434	215	8	4B	1000				AT566	3000
TERRAIN	352203.00N/0864842.00W	1233 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LPV

FROM

DA

TO

HUROG

<u>RNP</u> 0.30	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 787				
<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>
							ASC				3000
TOWER (47-001355)	352401.27N/0865257.01W	1439	500	125	5E	1000					2500
TERRAIN	352203.00N/0864842.00W	1233 (1200)								AS1500	2700

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

HUROG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30							1278				
<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>
							ASC				3000
TOWER (47-001355)	352401.27N/0865257.01W	1439	500	125	5E	1000					2500
TERRAIN	352203.00N/0864842.00W	1233 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW02

TO

HUROG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30-1.00							1320				
<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>
							ASC				3000
TOWER (47-001355)	352401.27N/0865257.01W	1439	500	125	5E	1000					2500
TERRAIN	352203.00N/0864842.00W	1233 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID

LUG

PROCEDURE NAME

RNAV (GPS) RWY 2

AMDT NO.

2

CITY

LEWISBURG

STATE

TN

AIRPORT ELEVATION

718

FACILITY

RNAV

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											
TREE (47-090939)	352921.35N/0864944.96W	1.30	702	994	20	10	1B	300		XP120	1420
CATEGORY B											
TREE (47-031129)	352843.47N/0864953.51W	1.83	762	1180	20	10	1B	300			1480
CATEGORY C											
TREE (47-040382)	352902.94N/0865029.86W	2.88	822	1223	20	10	1B	300			1540
CATEGORY D											
AAO	352821.00N/0865215.00W	3.76	922	1326	215	8	4B	300			1640

CIRCLING REMARKS:
XP = MATCH PUBLISHED

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZME ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	LUG	24	LUG	0.11	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	BNA	24	BNA	37.58	Y	103

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
LUG 718, BNA 588
RA = 102.5.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW02 - MIRL, REIL, PAPI-2L		NPI-F	
RW20 - REIL, MIRL, PAPI-2L		NPI-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.30	718.4	55.2			3.30	55.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-16C	+54C	-16C	+13.58C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 909 HIGH TEMP 1174.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 20		
20:1			
742 TREE (47-091556) 353055.7200N/0864800.9800W (3.6)		761 TREE (47-044266) 353101.1500N/0864803.8600W (0.22)	
FINAL TYPE	LPV, LNAV/VNAV AND LNAV		
34:1			
778 TREE (47-091495) 352947.5000N/0864826.9700W (22.93)		794 TREE (47-030940) 352942.7200N/0864833.7300W (20.3)	

QUALITY

20

34:1



<u>AIRPORT ID</u> LUG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 2	<u>CITY</u> LEWISBURG	<u>STATE</u> TN	<u>AIRPORT ELEVATION</u> 718	<u>FACILITY</u> RNAV
785 TREE (47-030405) 352945.7500N/0864833.3600W (20.14)			785 TREE (47-030627) 352942.9400N/0864828.5400W (15.85)			
776 TREE (47-071427) 352947.3300N/0864833.1500W (15.77)			766 TREE (47-039982) 352948.6600N/0864825.1100W (15.61)			
784 TREE (47-033166) 352942.8700N/0864827.7700W (15.24)			770 TREE (47-030404) 352948.7100N/0864832.9100W (13.85)			
757 TREE (47-031414) 352952.5900N/0864830.3500W (13.75)			763 TREE (47-072852) 352948.8600N/0864825.1700W (13.13)			
767 TREE (47-039590) 352949.0500N/0864831.4100W (12.95)			774 TREE (47-091707) 352946.0300N/0864829.6900W (12.71)			
762 TREE (47-039979) 352948.7900N/0864824.5400W (12.41)			779 TREE (47-071232) 352945.3600N/0864834.4100W (12.25)			
784 TREE (47-039473) 352943.3000N/0864833.6800W (11.98)			767 TREE (47-039645) 352949.0200N/0864832.7300W (11.86)			
773 TREE (47-031517) 352946.6900N/0864833.2800W (10.86)			768 TREE (47-031514) 352948.2500N/0864832.9000W (10.56)			
772 TREE (47-091332) 352946.0000N/0864831.8300W (9.01)			759 TREE (47-033372) 352950.0800N/0864830.7700W (8.34)			
760 TREE (47-072855) 352948.4600N/0864826.4000W (8.07)			775 TREE (47-040204) 352945.4100N/0864835.1000W (7.86)			
776 TREE (47-091726) 352943.6500N/0864830.0700W (7.7)			757 TREE (47-090642) 352950.2300N/0864832.5000W (5.45)			
760 TREE (47-039591) 352948.7200N/0864830.8600W (5.43)			759 TREE (47-039752) 352948.6000N/0864829.1700W (5.37)			
776 TREE (47-091727) 352943.7400N/0864833.7100W (5.2)			768 TREE (47-090992) 352945.9000N/0864831.5400W (4.94)			
763 TREE (47-091582) 352946.4500N/0864827.0800W (4.88)			765 TREE (47-039655) 352946.2400N/0864829.3300W (4.58)			
776 TREE (47-044724) 352942.8800N/0864831.9100W (4.13)			758 TREE (47-091290) 352948.6200N/0864830.4500W (3.46)			
755 TREE (47-030408) 352949.8200N/0864831.5600W (3.01)			774 TREE (47-030942) 352943.1900N/0864832.0000W (2.94)			
756 TREE (47-030620) 352947.8400N/0864825.8200W (2.76)			755 TREE (47-033374) 352949.3900N/0864830.8000W (2.37)			
757 TREE (47-039592) 352947.5600N/0864827.0000W (2.07)			754 TREE (47-039750) 352949.5400N/0864831.2800W (1.43)			
744 POLE (47-030604) 352951.7700N/0864826.8200W (1.11)			753 TREE (47-091401) 352948.3200N/0864825.8400W (1.1)			
755 TREE (47-031510) 352948.5000N/0864829.5600W (0.79)			750 TREE (47-091720) 352950.5700N/0864831.0200W (0.54)			
775 TREE (47-030943) 352942.0400N/0864832.4000W (0.38)						
<u>PENETRATIONS REMARKS:</u>						

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.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1375 AAO 352518.00N/0865039.00W.

100' VEGETATION USED.

AIRPORT UPDATED TO SHOW PRIMARY ALTIMETER TRASMITS TO WMSCR BUT AIRPORT HAS ELECTED TO NOT OFFER AS ALTERNATE MINS.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	4.07
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.33
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	018.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1200
DISTANCE FROM	THLD	TO 1500FT POINT	10.89
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	11.40
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	018.08
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1200

THRESHOLD COORDINATES (IF STR-IN)	353001.60N/0864823.41W
ARP COORDINATES	353025.11N/0864814.00W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2 DISTANCE 0.41 NM
FAF COORDINATES	352520.21N/0865016.03W
FIX NAME COORDINATES	IF HUROG 351905.33N/0865245.56W

REMARKS

TAA: IAF WOSKU UD 352100.75N 0865957.87W 30 NM RADIUS

TAA: IAF ZOKOL UD 351709.49N 0864533.60W 30 NM RADIUS

TAA: IF/IAF HUROG 351905.33N 0865245.56W 30 NM RADIUS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JOHN BORDY (JOHN BRUNO)	AJV-33	10/01/2024	AERONAUTICAL INFORMATION SPECIALIST