

**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><b>AIRPORT</b></u> LAKE CUMBERLAND RGNL	<u><b>AIRPORT ID</b></u> KSME	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 23	<u><b>ORIGINAL/AMENDMENT</b></u> 2	<u><b>CITY</b></u> SOMERSET	<u><b>STATE</b></u> KY
<u><b>AIRPORT ELEVATION</b></u> 927	<u><b>TDZE</b></u> 927	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 23	<u><b>ORIGINAL/AMENDMENT</b></u> 1A	<u><b>DATED</b></u> 08/20/2015	<u><b>MAG VAR</b></u> 5W
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 8 NOVEMBER 2018	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2005

**TAA**      **THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 18-21.**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 138/30 CW 318/30	NOPT	AZLEC	IF/IAF	3600
2. 318/30 CW 138/30		AZLEC	IF/IAF	3600

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
AZLEC	IF/IAF	HITFO		TF	FB	1.00	228.02	8.00	2900
HITFO	FAF	BABME/2.60 NM TO RW23		TF	FB	0.30	227.95	3.44	
BABME/2.60 NM TO RW23		RW23	MAP	TF	FO	0.30	227.95	2.60	
RW23	MAP	1327 MSL		CA			227.95		
1327 MSL		TOOLY		DF	FO	1.00			3600

**MISSED APPROACH**

**MAP:**

LP: RW23  
LNAV: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3600 DIRECT TOOLY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE AZLEC, RT, 228.02 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 227.95      FAF: HITFO      DIST FAF TO MAP: 6.04      DIST FAF TO THLD: 6.04

4. MIN ALT: HITFO 2900, BABME/2.60 NM TO RW23 1820

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      GS ANT:      OM:      MM:      IM:

6. MIN GP INCPT:      GP ALT AT FAF :

7. GP ANGLE:      34:1: IS NOT CLEAR      20:1: IS NOT CLEAR      TCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 23 NA AT NIGHT.  
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: STRAIGHT-IN RWY 23 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
HITFO TO RW23: 3.00/53.20.  
WAAS CHANNEL #53641  
REFERENCE PATH ID: W23A  
CHART FAS OBST: 1330 TREE 370428N/0843505W, 1391 TREE 370414N/0843452W.  
CHART: 1694 TOWER 370817N/0843208W.  
HOLD SW, RT, 044.79 INBOUND  
LTP HAE: 250.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C, D 1200-3

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
LP MDA	1580	1	653	1580	1	653	1580	1 7/8	653	1580	1 7/8	653			
LNAV MDA	1660	1	733	1660	1	733	1660	2	733	1660	2	733			
CIRCLING	1660	1	733	1700	1	773	2100	3	1173	2100	3	1173			



CHANGES - REASONS

- 1. DELETED CHART NOTE; WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTICELLO ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LNAV CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE - CHART NOTE NO LONGER REQUIRED. NOTE MOVED TO BACK OF -9 AS CONTINGENCY NOTE.
- 2. CHANGED CHART NOTE FROM "NIGHT LANDING: RWY 23 NA" TO "STRAIGHT-IN RWY 23 NA AT NIGHT." - CHART NOTE UPDATED REFLECTING THAT STRAIGHT-IN TO RWY 23 IS NA AT NIGHT DUE TO 20:1 PENETRATIONS .
- 3. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA" TO "RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED" - NEW CHART NOTE ADDS DESIGNATED RWY TO HELICOPTER VISIBILITY REDUCTION.
- 4. ADDED ADDITIONAL FLIGHT DATA NOTE; CHART CIRCLING ICON - CIRCLING ICON REQUIRED TO SHOW THAT NEW CIRCLING AREA DIMENSIONS ARE BEING USED.
- 5. DELETED PLANVIEW NOTE; FINAL APPROACH COURSE OFFSET 15.05 (DEGREES) - PROCEDURE RE-BUILT AS STRAIGHT-IN PER ATC/FPT REQUEST. OFF-SET REMOVED.
- 6. CHANGED DIST FAF TO MAP/THLD FROM "5.52/5.97" TO "6.04/6.04" - MAP FIX REMOVED, THLD USED AS MAP. FAF MOVED TO ACHIEVE A 3.00 DESCENT ANGLE.
- 7. CHANGED FAS OBST FROM "1439 100' TREE 370449N/0843328W" TO "1391 TREE 370414N/0843452W" - FAS OBSTACLE UPDATED THROUGH PROCEDURE BUILD.
- 8. CHANGED LNAV MDA/HAT FROM "1700/773" TO "1660/733". CAT B VISIBILITY CHANGED FROM "1 1/4" TO "1" CAT C FROM "2 1/4" TO "2", AND CAT D FROM "2 1/2" TO "2" - LOWER MDA/HAT AND VISIBILITIES ACHIEVED FROM PROCEDURE BUILD AND UPGRADED SURVEY INFORMATION.
- 9. ADDED LP MINIMA - LP MINIMA ADDED PER ATC/FPT.
- 10. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3600 DIRECT HIXUX AND TRACK 225 TO SITOW AND HOLD" TO "CLIMB TO 3600 DIRECT TOOLY AND HOLD" - FIX "HIXUX" NOT REQUIRED FOR MISSED APPROACH PROCEDURE. FIX ELIMINATED AND MISSED APPROACH SENT DIRECT MISSED APPROACH HOLDING FIX "TOOLY".
- 11. ADDED STEP-DOWN-FIX TO PROCEDURE AT 2.60 NM - STEP-DOWN FIX ADDED TO PROCEDURE AT 2.60NM PER ATC/FPT REQUEST.
- 12. DELETED LEFT AND RIGHT HALF'S OF TAA - TAA MODIFIED PER FPT REQUEST. IAF'S FOR LEFT AND RIGHT BASES DELETED.
- 13. ADDED CHART NOTE: CIRCLING RWY 23 NA AT NIGHT - CIRCLING RWY 23 NA DUE TO 20:1 SURFACE PENETRATIONS.
- 14. DELETED NOTE: "DME/DME RNP-0.3 NA" - IAW 8260.19H, PARA 1-1-5F(14), REMOVED THE REQUIREMENT FOR THIS NOTE.
- 15. ADDED "PBN REQUIREMENTS NOTE: RNP APCH" - EQUIPMENT REQUIREMENTS NOTE APPLIED PER 8260.58A, CHANGE 1.
- 16. ADDED HOLD-IN-LIEU MAX HOLDING OF 6000 AT AZLEC (IF/IAF) - NEW FORM REQUIREMENTS ADDED MAXIMUM ALTITUDE.

9/11/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 8/21/18.

1. CHANGED LINE 4 OF THE -3 MIN ALT FROM "HITFO 2900, BABME/2.60 NM TO RW23 1820\*" TO " HITFO 2900, BABME/2.60 NM TO RW23 1820" REMOVING THE ASTERISK ASSOCIATED WITH THE SDF ALTITUDE.



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<u>COORDINATED WITH:</u>					
A4A <input type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> OTHER: ZID, ARPT MGR					
<u>FLIGHT CHECKED BY</u> MARC JOHN HINCK		Digitally signed by DAVID TEFFETELLER Sep 11, 2018		<u>OFFICE</u> FIOG	<u>DATE</u> 08/13/2018
<u>DEVELOPED BY</u> JAMES LAFFERTY		Digitally signed by JAMES LAFFERTY Sep 11, 2018		<u>OFFICE</u> AJV-5433	<u>DATE</u> 11/07/2017
<u>APPROVED BY</u> PATRICK MULQUEEN		Digitally signed by DAVID TEFFETELLER Sep 11, 2018		<u>OFFICE</u> AJV-5430	<u>TITLE</u> MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSME
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	370331.7785N
LTP/FTP LONGITUDE	0843634.4695W
LTP/FTP ELLIPSOIDAL HEIGHT	+02508
FPAP LATITUDE	370226.4215N
FPAP LONGITUDE	0843750.2295W
THRESHOLD CROSSING HEIGHT (TCH)	00053.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	FCED4BF4
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+00281
FPAP ORTHOMETRIC HEIGHT	+00281

