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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ECOCO (IF/IAF)	COPOM (FB)	001.73 / 6.10	2100
COPOM (FAF)	XIXIH/2.50 NM TO RW36 (FB)	001.72 / 2.67	
XIXIH/2.50 NM TO RW36	RW36 (FO)	001.72 / 2.50	
RW36 (MAP)	597 MSL	001.72	
597 MSL	HUMAD (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 3000 DIRECT HUMAD AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 181.71 INBOUND.
CHART FAS OBST: 500 ELEVATOR 374316N/0871018W
CHART FAS OBST: 519 ELEVATOR 374229N/0870932W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.02 MILES TO RW36*
*LNAV ONLY.
WAAS CHANNEL # 45508
REFERENCE PATH ID: W36A
LTP HAE: 90.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S ECOCO, RT, 001.73 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 001.72 FAF: COPOM DIST FAF TO MAP: 5.17 THLD: 5.17
4. MIN. ALT: ECOCO 3000, COPOM 2100, XIXIH/2.50 NM TO RW36 1240*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2100 GS ALT AT: COPOM 2100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 56.1 34:1 IS CLEAR
8. MSA FROM:

MAG VAR: 4W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

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	597	1/2	200	597	1/2	200	597	1/2	200	597	1/2	200			
LNAV/VNAV DA	661	1/2	264	661	1/2	264	661	1/2	264	661	1/2	264			
LNAV MDA	780	1/2	383	780	1/2	383	780	5/8	383	780	5/8	383			
CIRCLING	860	1	453	880	1	473	1120	2	713	1140	2 1/4	733			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: BARO/VNAV AND VDP NA WHEN USING EVANSVILLE ALTIMETER SETTING.
(SEE FORM 8260-10)

@ CAT D 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 407 THRE: 397	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OWENSBORO, KY	AIRPORT NAME: OWENSBORO-DAVIESS COUNTY	RNAV	RNAV (GPS) RWY 36, AMDT 4	AMDT: 3
				DATED 06/03/2010

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **ZID, EVV APP CON, OWB ATCT, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: **PETER R. GUIMOND**	FIFO **AJV-352**	DATE: **07/09/2012**

APPROVED BY		
NAME: **DARRYEL ADAMS** **MANAGER**	FIFO **AJV-352**	DATE:

CHANGES:

1. AMENDED AIRPORT MAGVAR FROM 1W 1985 TO 4W 2015.
2. AMENDED TDZE FROM 401 TO THRE 397.
3. AMENDED BARO-VNAV HIGH TEMPERATURE LIMIT FROM 48C (118F) TO 54C (130F).
4. DELETED NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE EVANSVILLE ALTIMETER SETTING AND INCREASE ALL DA 59 FEET AND ALL MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS, LNAV CAT C AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.
5. ADDED NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE EVANSVILLE, IN ALTIMETER SETTING: INCREASE LPV DA TO 656 FEET; INCREASE LNAV/VNAV DA TO 720 FEET AND ALL CATS VISIBILITY 1/8 MILE; INCREASE ALL MDA 60 FEET AND LNAV CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.
6. DELETED INITIAL SEGMENTS FROM CEVPO AND DEVAL.
7. AMENDED TAA FROM T-CONFIGURATION TO STRAIGHT-IN WITH NOPT AND STRAIGHT-IN WITH PT.
8. AMENDED PROCEDURE TCH FROM 56.7 FEET TO 56.1 FEET. (FAS DATA CHANGE)
9. AMENDED ECOCO TO COPOM COURSE FROM 358.73 TO 001.73.
10. AMENDED MISSED APPROACH INBOUND HOLDING COURSE FROM 178.71 TO 181.71.
11. ADDED LNAV/VNAV FAS OBSTACLE.
12. AMENDED LNAV FAS OBSTACLE FROM 509 MSL TREE TO 519 MSL ELEVATOR.
13. AMENDED DISTANCE FROM THRESHOLD 200 HAT: 0.46 NM TO READ DISTANCE TO THRESHOLD FROM 200 HATH: 0.45 NM.
14. AMENDED VDP FROM 0.96 NM TO RWY 36 TO 1.02 NM TO RWY 36.

SEE 8260-10

REASONS:

1. EASTERN FPT REQUEST.
2. MATCH AVNIS DATA.
3. HIGH TEMPERATURE LIMIT COMPUTED USING AFS CALCULATOR PER CURRENT DOCUMENTATION POLICY.
4. REPLACED BY NEW BACK-UP ALTIMETER NOTE.
5. FORMATTED IAW CURRENT DOCUMENTATION POLICY.
6. NO LONGER REQUIRED.
7. ATC REQUEST.
8. MATCH PENDING ILS TCH.
9. MAGVAR UPDATED FROM 1W TO 4W.
10. MAGVAR UPDATED FROM 1W TO 4W.
11. IAW CURRENT DOCUMENTATION POLICY.
12. NEW OBSTACLE SURVEY AND STUDY.
13. RECOMPUTED FROM NEW THRESHOLD LOCATION.
14. RECOMPUTED FROM 780 MSL LNAV MDA.
SEE 8260-10

QUALITY 4 CHECKED

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVANSVILLE ALTIMETER SETTING: INCREASE LPV DA TO 656 FEET; INCREASE LNAV/VNAV DA TO 720 FEET AND ALL CATS VISIBILITY 1/8 MILE; INCREASE ALL MDA 60 FEET AND LNAV CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	272/30 CW 092/30 (NOPT)	ECOCO (IF/IAF) (FB)	3000
2.	092/30 CW 272/30	ECOCO (IF/IAF) (FO)	3000

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.

15. MOVED COPOM 0.33 NM SOUTH.
16. MOVED ECOCO 0.33 NM SOUTH.
17. MOVED HUMAD 425 FEET NORTH.
18. AMENDED HOLD-IN-LIEU INBOUND COURSE FROM 358.73 TO 001.73.
19. AMENDED FINAL APPROACH COURSE FROM 358.72 TO 001.72.
20. ADDED FINAL AND MISSED APPROACH SEGMENTS TO TERMINAL ROUTE SECTIONS.
21. ADDED 2100 VALUE FOR GS ALT AT COPOM.
22. AMENDED DIST FAF TO MAP AND DIST FAF TO THLD FROM 5.09 NM TO 5.17 NM.
23. AMENDED LPV DA FROM 601 TO 597 AND VISIBILITY FROM 3/4 TO 1/2.
24. AMENDED LNAV/VNAV DA 779/HAT 378 TO DA 661/HATH 264 AND VISIBILITY FROM 1 1/4 TO 1/2.
25. ADDED XIXIH STEPDOWN FIX.
26. AMENDED LNAV MDA 760/HAT 359 TO MDA 780/HATH 383 AND CATS A/B VISIBILITY FROM 1 TO 1/2, CAT C FROM 1 TO 5/8, CAT D FROM 1 1/4 TO 5/8.
27. AMENDED CAT A/B CIRCLING MDA 920/HAA 513 TO CIRCLING MDA 860/HAA 453.
28. AMENDED THE FOLLOWING FAS DATA ITEMS: THRESHOLD LAT/LONG, FPAP LAT/LONG, TCH, AND LENGTH OFFSET.

REASONS:

REASONS CONT.
15. COPOM POSITIONED IN PFAF LOCATION IAW FAAO 8260.54, FORMULA 2-16B.
16. RETAINS AN INTERMEDIATE SEGMENT AT LEAST 6 NM IN LENGTH.
17. RETAINS AN INTERMEDIATE SEGMENT AT LEAST 6 NM IN LENGTH FOR THE RNAV (GPS) RWY 18.
18. MAGVAR UPDATED FROM 1W TO 4W.
19. MAGVAR UPDATED FROM 1W TO 4W.
20. IAW CURRENT DOCUMENTATION POLICY.
21. IAW CURRENT DOCUMENTATION POLICY.
22. COMPUTED FROM NEW PFAF AND RUNWAY THRESHOLD LOCATIONS.
23. DA COMPUTED FROM THRE. VISIBILITY COMPUTED USING NEW MALSR SYSTEM.
24. NEW OBSTACLE STUDY. VISIBILITY COMPUTED USING NEW MALSR SYSTEM.
25. EASTERN FPT REQUEST FOR LOWEST POSSIBLE MINIMUMS.
26. NEW OBSTACLE STUDY. VISIBILITY COMPUTED USING NEW MALSR SYSTEM.
27. NEW OBSTACLE STUDY. STANDARDIZES CIRCLING MINIMUMS WITH OTHER PROCEDURES AT AIRPORT.
28. AVNIS DATA CHANGED THRESHOLD LOCATION. FPAP AND LENGTH OFFSET RECOMPUTED USING NEW THRESHOLD LOCATION.

WHITEOUT CORRECTIONS
1. TERMINAL ROUTES: (FAF) ADDED ADJACENT COPOM; SDF ALTITUDE REMOVED; (MAP) REMOVED FROM RW36 IN TO SECTION; MISSED APPROACH ALTITUDE CHANGED TO 3000.
2. *LNAV ONLY MOVED FROM NOTES TO LINE 4 ADJACENT SDF.
3. CHANGES LISTED ON BACK OF PAGE 2 EDITED TO APPEAR AS SEPARATE LINES.
4. RNP VALUE OF 020 REMOVED FROM LINE SEQUENCE 060 ON AIRINC PAGE 4 AND ON FLIGHT CHECK SUMMARY PAGE.

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOWB
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	374337.0740N
LTP/FTP LONGITUDE	0871000.0015W
LTP/FTP ELLIPSOIDAL HEIGHT	+00903
FPAP LATITUDE	374506.2000N
FPAP LONGITUDE	0871004.4700W
THRESHOLD CROSSING HEIGHT (TCH)	00056.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	3F49BBF9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01211
FPAP ORTHOMETRIC HEIGHT	+01211

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COPOM K50    W     N37382670W087094446                      W0033     NAR           COPOM
        SUSAEAENRT   ECOCO K50    W     N37322061W087092618                      W0033     NAR           ECOCO
        SUSAEAENRT   HUMAD K50    W     N37561133W087103790                      W0034     NAR           HUMAD
        SUSAEAENRT   XIXIH K50    W     N37410701W087095248                      W0033     NAR           XIXIH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWBK5AOWB     0     080YHN37441980W087100060W004000407         1800018000C    MNAR    OWENSBORO-DAVIESS COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWBK5FR36   AECOCO 010ECOCOK5EA0EE AR   HF                     00170040    + 03000     18000                A JS
        SUSAP KOWBK5FR36   R      010ECOCOK5EA0E  I    IF                                 + 03000     18000                A JS
        SUSAP KOWBK5FR36   R      020COPOMK5EA1E  F 051TF                     00170061    + 02100                          A JS
        SUSAP KOWBK5FR36   R      020COPOMK5EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
        SUSAP KOWBK5FR36   R      021XIXIHK5EA0E S  031TF                     00170027    V 0124001249       -300          A JS
        SUSAP KOWBK5FR36   R      030RW36 K5PG0GY M 031TF                     00170025      00453            -300          A JS
        SUSAP KOWBK5FR36   R      040         0  M     CA                     0017        + 00597                          A JS
        SUSAP KOWBK5FR36   R      050HUMADK5EA0EY      DF                                 + 03000                          A JS
        SUSAP KOWBK5FR36   R      060HUMADK5EA0EE  R   HM                     18170040    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWBK5GRW36    0080000017 N37433707W087100000+0100    +0090300397000056150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOWBK5PR36   RW36 001 0000W36A0N3743370740W08710000015+009030300N3745062000W0871004470010675031200056 1F4003503F49BBF9
        SUSAP KOWBK5PR36   RW36 002E      +01211+01211LPV       45508
```

CITY AND STATE	ELEVATION: 407 THRE: 397	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OWENSBORO, KY	AIRPORT NAME: OWENSBORO-DAVIESS COUNTY	RNAV	RNAV (GPS) RWY 36, AMDT 4	AMDT: 3
				DATED: 06/03/2010

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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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
	ECOCO	ECOCO	010	IAF	HF	R	FO		001.7(357.7T)	004.0	AA 03000	
		ECOCO	010	FACF	IF		FB				AA 03000	
		COPOM	020	FAF	TF		FB	0.5	001.7(357.7T)	006.1	AA 02100	
		XIXIH	021	SDF	TF		FB	0.3	001.7(357.7T)	002.7	AA 01240 GS 01249	
		RW36	030	MAP	TF		FO	0.3	001.7(357.7T)	002.5	AT 00453	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		001.7(357.7T)		AA 00597	
	HUMAD	050		DF		FO				AA 03000	
	HUMAD	060		HM	R	FO		181.7(177.7T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COPOM	N373826.70	W0870944.46	N3738.445	W08709.741
	ECOCO	N373220.61	W0870926.18	N3732.344	W08709.436
	HUMAD	N375611.33	W0871037.90	N3756.189	W08710.632
	XIXIH	N374107.01	W0870952.48	N3741.117	W08709.875
	RW36	N374337.07	W0871000.00	N3743.618	W08710.000

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00397	56

CITY AND STATE	ELEVATION: 407 THRE: 397	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OWENSBORO, KY	AIRPORT NAME: OWENSBORO-DAVIESS COUNTY	RNAV	RNAV (GPS) RWY 36, AMDT 4	AMDT: 3
				DATED: 06/03/2010

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
STRAIGHT-IN AREA	272/30 CW 092/30	ECOCO	1. TOWER (21-000214)	371125.00N/0873047.00W	1549 (4D)	1000	AT451	3000
			2. TERRAIN	372930.00N/0862927.00W	831 (800)		AS1500	2300
STRAIGHT-IN AREA	092/30 CW 272/30	ECOCO	3. TOWER (21-000909)	373629.00N/0870315.00W	1543 (3C)	1000	AT457	3000
			2. TERRAIN	372930.00N/0862927.00W	831 (800)		AS1500	2300
INTERMEDIATE	ECOCO (IF/IAF)	COPOM	4. AAO	373339.00N/0870921.00W	735 (4E)	500	AC98 AT767	2100
			5. TERRAIN	373339.00N/0870921.00W	535 (500)		AS1500	2000
FINAL: LPV	COPOM	RW36				ASC		597/200
FINAL: LNAV/VNAV	COPOM	RW36	6. ELEVATOR (KOWBT0425)	374315.78N/0871017.79W	500 (1A)	PDA		661/264
FINAL: LNAV	COPOM	XIXIH/2.50 NM TO RW36	7. AAO	373819.70N/0871035.82W	649 (2C)	250	RA59 DG282	1240
FINAL: LNAV STEPDOWN	XIXIH/2.50 NM TO RW36	RW36	8. ELEVATOR (KOWBT0435)	374228.87N/0870931.89W	519 (1A)	250		780
2. HOLD-IN-LIEU-OF-PT	ECOCO	P-5	9. STACK (21-000718)	372659.00N/0870450.00W	995 (5D)	1000	AT1005	3000
			10. TERRAIN	372303.00N/0870351.00W	657 (700)		AS1500	2200
3. MISSED APPROACH — MAP:	DA / DA / RW36	HUMAD				ASC		3000
			11. TOWER (21-000009)	374630.27N/0870932.03W	805 (1A)	1000		1900
ELEV:	428/500/680		12. TERRAIN	374745.00N/0870930.00W	555 (600)		AS1500	2100
			13. TWR (KOWBT0318)	374531.79N/0870834.80W	558 (1A)	300		860
			14. TWR (KOWBT0682)	374352.94N/0870809.81W	564 (1B)	300		880
			11. TOWER (21-000009)	374630.27N/0870932.03W	805 (1A)	300		1120
			15. TOWER (21-000014)	374429.00N/0870659.00W	830 (2C)	300		1140

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL	
CATEGORY A	1.3 NM	350		453
CATEGORY B	1.5 NM	450		473
CATEGORY C	1.7 NM	450		713
CATEGORY D	2.3 NM	550		733
CATEGORY E	4.5 NM	550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OWENSBORO, KY	ELEVATION: 407 AIRPORT NAME: OWENSBORO-DAVIESS COUNTY	RNAV	RNAV (GPS) RWY 36, AMDT 4	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZID ARTCC EVV APP CON OWB TOWER		N W S	OTHER:	SOURCE: KOWB / KEVV
		F A A		DISTANCE: 0 / 24.93
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / BACKUP
X V H F X U H F H F	LOCATION:			ADJUSTMENT: 0 / 59

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 36 (PCL)
	X	HIRL 18 (PCL), 36 (PCL)
	X	MIRL 24 (PCL), 06 (PCL)
	X	REIL 18 (PCL), 24 (PCL), 06 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-2L 24 (PCL), 06 (PCL) PAPI-4L 36 (PCL) VASI-4L 18
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 18, 36
	INSTRUMENT	NPI-G 24, 06
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 397.2
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 56.1
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: PETER R. GUIMOND	DATE: 07/09/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

2. KOWB ASOS ON SERVICE A. KEVV ASOS ON SERVICE A.
3. KEVV 24-HR BACK-UP.
5. VGSI DATA: 3.00/56.4.

SEE ATTACHED AIRSPACE LETTER.

100 FOOT TREES USED PER EASTERN FPT.

418 MSL WINDSOCK (KOWB0003) IS 20:1 PENETRATION FOR CIRCLING TO RWY 24. EASTERN FPT CONFIRMED THAT THIS OBSTACLE NO LONGER EXISTS SO IT WAS DELETED FROM THE WORKFILE.

LPV, LNAV/VNAV, AND LNAV INTERMEDIATE SEGMENTS HAVE THE SAME CONTROLLING OBSTACLES.

LPV OCS SURFACE = 34:1

LNAV/VNAV STANDARD ISA DEVIATION -30C. HISTORICAL TEMPERATURE DATA NOT AVAILABLE.
LNAV/VNAV OCS SURFACE = 23.44:1
BARO/VNAV NA ABOVE 54C (130F)
DESCENT RATE: STANDARD TEMP 959; HIGH TEMP 1120
HIGH TEMPERATURE LIMIT AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR

RASS (PRESSURE PATTERNS ARE THE SAME):
KOWB 407.3, KEVV 418.2
RA = 58.87
RASS ROUNDED UP TO 59 FEET FOR ALL DA AND 60 FEET FOR ALL MDA AND PUBLISHED AS A NOTE.

RADIO FIX AND HOLDING DATA RECORD

NAME: COPOM **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 373826.70N/0870944.46W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 36			KOWB	OWENSBORO	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
MOVED FIX 0.33 NM SOUTH.

DEVELOPED BY: **DATE:** 07/02/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: EVV APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ECOCO **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 373220.61N/0870926.18W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	181.73	001.73	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (21-000718)	372659.00N/0870450.00W	995	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18		1	KOWB	OWENSBORO	KY (US)
IAP	RNAV (GPS) RWY 36		1	KOWB	OWENSBORO	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. MOVED FIX 0.33 NM SOUTH.
2. UPDATED PAT 1 INBOUND COURSE FROM 358.73 TO 001.73.

DEVELOPED BY: **DATE:** 07/02/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: EVV APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HUMAD **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 375611.33N/0871037.90W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N		WP	001.71	181.71	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (18-002310)	375901.00N/0871613.00W	1449	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18		1	KOWB	OWENSBORO	KY (US)
IAP	RNAV (GPS) RWY 36		1	KOWB	OWENSBORO	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. MOVED FIX 425 FEET NORTH.
2. UPDATED PAT 1 INBOUND HOLDING COURSE FROM 178.71 TO 181.71.

DEVELOPED BY: **DATE:** 07/03/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: EVV APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: XIXIH **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 374107.01N/0870952.48W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 36			KOWB	OWENSBORO	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 07/02/2012 **OFFICE:** AJV-352 **NAME:** PETER GUIMOND

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: EVV APP CON
OTHER:

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **OWENSBORO** STATE: **KY**

AIRPORT NAME: **OWENSBORO-DAVIESS COUNTY** ID: **KOWB**

PROCEDURE: **RNAV (GPS) RWY 36** AMDT: **4**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THRESHOLD** to 1000' point **2.97**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **357.72**
4. High Terrain in **FINAL** segment containing 1000' point **420**
5. Distance from **THRESHOLD** to 1500' point **4.77**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.76**
7. True Course of **FINAL** segment containing 1500' point **357.72**
8. High Terrain in **FINAL** segment containing 1500' point **420**
9. Threshold Coordinates (if straight-in) ... **374337.07N** / **0871000.00W**
10. ARP Coordinates ..... **374419.80N** / **0871000.60W**
11. Runway Approach End and distance furthest from ARP.....RWY **36**
    Distance **0.71** NM
12. FAF Coordinates ..... **373826.70N** / **0870944.46W**
    (Click to Select)

REMARKS: Approach/Drawing attached.
12. IF/IAF COORDINATES: ECOCO, 373220.61N/0870926.18W, RADIUS 30 NM.

RADIO FIX AND HOLDING DATA RECORD

NAME: CEVPO **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 373228.36N/0871544.07W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 36			KOWB	OWENSBORO	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
UPDATED FIX USE
REMOVED FAC 1
MOVED FIX 0.81NM NORTH

DEVELOPED BY: **DATE:** 08/17/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (NICHOLE HEISE)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: OWB
OTHER: EVV APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: DEYAL **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 373252.15N/0870310.22W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 36			KOWB	OWENSBORO	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
UPDATED FIX USE
REMOVED FAC1
MOVED FIX 0.81NM NORTH

DEVELOPED BY: **DATE:** 08/17/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (NICHOLE HEISE)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZID
ATC FACILITY: OWB
OTHER: EVV APP CON

Federal Aviation Administration

Memorandum

Date: JUN 26 2012

To: Dick Powell Manager, National Flight Data Center, AJV-21

ORIGINAL SIGNED BY

From: Darryel Adams, Manager, Terminal Procedures & Charting Services, Eastern Team, AJV-352

Subject: **ACTION:** Magnetic Variation Change

CONCURRENCES	
ROUTING SYMBOL	AJV-34 SBaker
INITIALS/SIG	SJB
DATE	6-21-12
ROUTING SYMBOL	AJV-352 DSmith
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-352 DAdams
INITIALS/SIG	DA
DATE	6/22/1
ROUTING SYMBOL	AJV-341 JAlfonso
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

Owensboro-Daviess County, Owensboro, KY (KOWB)

ILS OR LOC/DME RWY 36, AMDT 13
RNAV (GPS) RWY 6, AMDT 1
RNAV (GPS) RWY 18, AMDT 2
RNAV (GPS) RWY 24, AMDT 2
RNAV (GPS) RWY 36, AMDT 4
TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 5
VOR RWY 6, AMDT 2
VOR RWY 18, AMDT 10
VOR RWY 36, AMDT 19

Evansville Rgnl, Evansville, IN (KEVV)

ILS OR LOC RWY 4, AMDT 3

Louisville Intl-Standiford Field, Louisville, KY (KSDF)

CHERI THREE ARRIVAL

Estimated Chart Date: 11/15/2012

Runway Numbers are affected with the airport rotation; 5/23 change to 6/24, 18/36 will not be changed.

Please publish these changes in the National Flight Data Digest.

KENTUCKY

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Owensboro	Owensboro-Daviess County	Airport	KOWB / OWB	Old 1° West New 4° West	2015
Owensboro		ILS	OWB	Old 1° West New 4° West	2015
Owensboro	HIGUY	NDB/C LOM	OWBOW	Old 1° West New 4° West	2015
Owensboro	OWENSBORO	VOR/DME	OWB	Old 1° East New 4° West	2015

If you have any questions please notify Darryel Adams, darryel.d.adams@faa.gov (301) 427-4824

cc: ATL-FPT, AVJ-3rf
AJV-352; DAdams :sbj::x7537:06/12/2012 :U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\ MV Change Request for Owensboro, KY (KOWB) 6-21-12
Requestor:RSalpino, AJW-3762:PClark, Evaluated By:LFortier