Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 08/02/2011	Task #: 2011080222717501003	Request #: 20110802227175
Procedure: RNAV (GPS) Y RWY 1 AMDT 1		Airport ID: KM25	Airport: MAYFIELD GRAVES COUNTY		Reimbursable #:
City: MAYFIELD	ST: KY	GPS #:		Estimated Chart Date: 06/27/2013	FICO #:
Fac ID:	Fac. Type: LR Proc W	Specialist: PERRY OLECK(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	12/20/2012	02/25/2013	PERRY OLECK	
QA:	02/25/2013	02/25/2013	PERRY OLECK	
Liaison:	02/25/2013		Spurlin	MAGVAR

MAG VAR PC

Procedure Comments: ENROUTE-NON **Remark Type:** INFORMATION

pkg 3 of 4

MAYFIELD, KY MAYFIELD GRAVES COUNTY (KM25) RNAV (GPS) Y RWY 1, AMDT 1 (LP) ENROUTE-NO FC: 5.14.13 PUB: 6.27.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): COCHE, REV 2; JOELY, REV 4; LUXON, REV 2; ZIRPU, ORIG.

CONTACT: DON SMITH/ADOLFO URRUTIA-AJV-352 LEADS, 405.954.1036 / 405.954.2079.

WAAS CH 78432 W01B	APP CRS 006°	Rwy ldg 5002 THRE 519 Apt Elev 522

RNAV (GPS) Y RWY 1

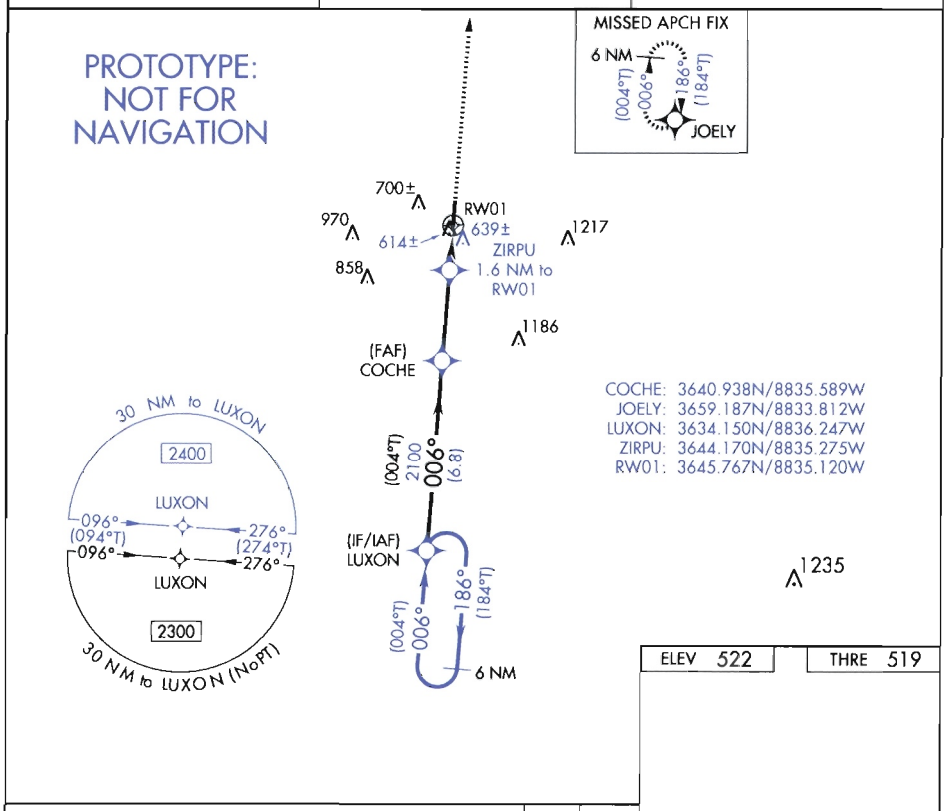
MAYFIELD GRAVES COUNTY (M25)

T NA

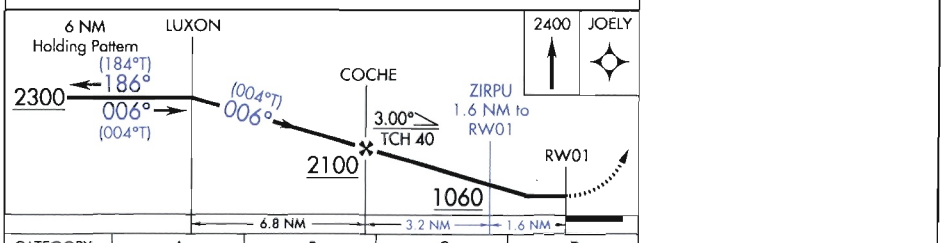
DME/DME RNP-0.3 NA. When local altimeter setting not received, use Paducah altimeter setting and increase all MDA 80 feet and increase LP Cat C and D visibility ⅜ mile and LNAV Cat C and D visibility and Circling Cat C and D visibility ¼ mile. Procedure NA at night.
HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED

MISSED APPROACH: Climb to 2400 direct JOELY and hold.

AWOS-3	MEMPHIS CENTER	UNICOM
120.625	133.65 292.15	122.8 (CTAF) L



ELEV 522	THRE 519



CATEGORY	A	B	C	D
LP MDA	880-1 361 (400-1)			
LNAV MDA	900-1 381 (400-1)		900-1⅛ 381 (400-1⅛)	
C CIRCLING	1060-1 538 (600-1)		1060-1½ 538 (600-1½)	1280-2½ 758 (800-2½)

006° to RW01

MIRL Rwy 1-19 L
REIL Rwys 1 and 19 L

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
LUXON (IF/IAF)	COCHE (FB)	006.46 / 6.80	2100
COCHE (FAF)	ZIRPU/1.60 NM TO RW01 (FB)	006.47 / 3.24	
ZIRPU/1.60 NM TO RW01	RW01 (MAP) (FO)	006.47 / 1.60	
RW01 (MAP)	880 MSL	006.47	
880 MSL	JOELY (FO)		2400

MISSED APPROACH

LP: RW01
LNAV: RW01

CLIMB TO 2400 DIRECT JOELY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 186.49 INBOUND.
CHART FAS OBST: 614 TREE 364529N/0883517W
CHART FAS OBST: 639 TREE 364507N/0883441W
WAAS CHANNEL # 78432
REFERENCE PATH ID: W01B
COCHE TO RW01: 3.00/40.
CHART CIRCLING ICON.
LTP HAE: 130 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S LUXON, RT, 006.46 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 006.47 FAF: COCHE DIST FAF TO MAP: 4.84 THLD: 4.84
4. MIN. ALT: LUXON 2300, COCHE 2100, ZIRPU/1.60 NM TO RW01 1060
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 2W EPOCH YEAR: 2015

MINIMUMS

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

ALTERNATE: N A 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
LP MDA	880	1	361	880	1	361	880	1	361	880	1	361			
LNAV MDA	900	1	381	900	1	381	900	1 1/8	381	900	1 1/8	381			
CIRCLING	1060	1	538	1060	1	538	1060	1 1/2	538	1280	2 1/2	758			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PADUCAH ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LP CAT C AND D VISIBILITY 3/8 MILE AND LNAV CAT C AND D VISIBILITY AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 522 THRE: 519 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 36
MAYFIELD, KY	MAYFIELD GRAVES COUNTY	RNAV	RNAV (GPS) Y RWY 1, AMDT 1	AMDT: ORIG
				DATED 06/03/2010

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] ZME, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: DONALD E. SMITH (JOHN R. LINDSEY)	FIFO AJV-352	DATE: 01/29/2013

APPROVED BY		
NAME: SUSAN CRUMB MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. ADDED CHART NOTE: PROCEDURE NA AT NIGHT.
2. CHANGED CHART NOTE: "VISIBILITY REDUCTION BY HELICOPTERS NA" TO READ "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED".
3. PROCEDURE NAME CHANGED FROM RNAV (GPS) RWY 36 TO RNAV (GPS) Y RWY 1.
4. ADDED LP LINE OF MINIMA AND ALL ASSOCIATED NOTES.
5. CHANGED RWY NUMBERS FROM 18/36 TO 01/19.
6. DELETED BOTH INITIALS SEGMENTS.
7. CHANGED TAA FROM T DESIGN TO MODIFIED PT/NOPT STRAIGHT IN TAA DESIGN.
8. ADDED ZIRPU TO FINAL AND ALL ASSOCIATED NOTES.
9. CHANGED AIRPORT ELEV FROM 523 TO 522 AND TDZE 523 TO READ THRE 519.
10. LENGTHENED THE INTERMEDIATE SEGMENT FROM 6.1 TO 6.8 NM.
11. CHANGED FINAL ANGLE FROM 3.04/40 TO GS 3.00/40.
12. INCREASED ALL HEADINGS 2 DEGREES.
13. INCREASED CIRCLING HAA CAT A, B, C 1 FT.
14. INCREASED CIRCLING CAT D MDA/HAA FROM 1080/557 TO 1280/758 AND VISIBILITY FROM 2 TO 2 1/2.

SEE 8260-10

REASONS:

1-2. IAW AJV-35 MEMO DATED 8-27-2012.
3. RUNWAY NUMBERS CHANGED FROM 18/36 TO 01/19 DUE TO MAGVAR CHANGE FROM 0E TO 2W.
4. FPT REQUEST.
5. MAGVAR CHANGE FROM 0E TO 2W.
6-7. FPT REQUEST.
8. TO GAIN LOWEST POSSIBLE MINIMUMS.
9. NEW AVNIS DATA.
10. NEW MINIMUM LEG LENGTH.
11. UTILIZING 8260.54A FORMULA 2-16B TO ESTABLISH PFAF LOCATION.
12. MAGVAR CHANGE FROM 0E TO 2W.
13. NEW APT ELEV.
14-15. NEW CONTROLLING OBSTACLES.
16. NEW VALUES.

SEE 8260-10

QUALITY CHECKED

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NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	276/30 CW 096/30 (NOPT)	LUXON (IF/IAF) (FB)	2300
2.	096/30 CW 276/30	LUXON (IAF) (FO)	2400

QUALITY CHECKED

CITY AND STATE	ELEVATION: 522 THRE: 519	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 36
MAYFIELD, KY	AIRPORT NAME: MAYFIELD GRAVES COUNTY	RNAV	RNAV (GPS) Y RWY 1, AMDT 1	AMDT: ORIG
				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:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
15. LOWERED LNAV MDA 80 FEET AND CAT C AND D VISIBILITY 1/8 MILE. 16. CHANGED BACKUP ALTIMETER NOTE FROM "AND CIRCLING CAT C VISIBIITY" TO READ "AND CIRCLING CAT C AND D VISIBILITY".

REASONS:

REASONS CONT.

PDF EDITS:
8260-3:
CHANGED COCHE TO READ COCHE (FAF) IN TERMINAL ROUTES.
REMOVED 880 AND 1060 ALTITUDES FROM TERMINAL ROUTES BLOCK.
CHANGED RW01 / RW01 (MAP) TO READ RW01 (MAP) IN TERMINAL ROUTES BLOCK.
REMOVED GS AND TCH DATA FROM LINE 7.
8260-10:
DELETED RNP 2 FROM ALL MISSED APPROACH SEGMENTS.
8260-9:
CHANGED RW01 / RW01 TO READ RW01 IN MISSED APPROACH SEGMENT.
REMOVED BLOCK 8 DATA.

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	M25
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01B
LTP/FTP LATITUDE	364546.0135N
LTP/FTP LONGITUDE	0883507.1990W
LTP/FTP ELLIPSOIDAL HEIGHT	+01300
FPAP LATITUDE	364714.9595N
FPAP LONGITUDE	0883458.5545W
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)	0.0
CRC REMAINDER	448998C8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01583
FPAP ORTHOMETRIC HEIGHT	+01583

QUALITY CHECKED

CITY AND STATE	ELEVATION: 522 THRE: 519	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 36
MAYFIELD, KY	AIRPORT NAME: MAYFIELD GRAVES COUNTY	RNAV	RNAV (GPS) Y RWY 1, AMDT 1	AMDT: ORIG
				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:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COCHE K50    W     N36405628W088353532                      W0022     NAR           COCHE
        SUSAEAENRT   JOELY K50    W     N36591122W088334871                      W0022     NAR           JOELY
        SUSAEAENRT   LUXON K50    W     N36340897W088361479                      W0021     NAR           LUXON
        SUSAEAENRT   ZIRPU K50    W     N36441018W088351651                      W0022     NAR           ZIRPU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M25 K5AM25     0     050YHN36461070W088350480W002000522         1800018000C    MNAR    MAYFIELD GRAVES COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M25 K5FR01-Y ALUXON 010LUXONK5EA0EE AR   HF                    00650060    + 02300     18000                A JS
        SUSAP M25 K5FR01-Y R      010LUXONK5EA0E  I    IF                                + 02300     18000                A JS
        SUSAP M25 K5FR01-Y R      020COCHEK5EA1E  F 051TF                    00650068    + 02100                          A JS
        SUSAP M25 K5FR01-Y R      020COCHEK5EA2WALP        N          ALNAV                                                JS
        SUSAP M25 K5FR01-Y R      021ZIRPUK5EA0E S  031TF                    00650032    V 0106001069        -300         A JS
        SUSAP M25 K5FR01-Y R      030RW01 K5PG0GY M 031TF                    00650016      00559             -300         A JS
        SUSAP M25 K5FR01-Y R      040         0  M     CA                    0065        + 00880                          A JS
        SUSAP M25 K5FR01-Y R      050JOELYK5EA0EY      DF                                + 02400                          A JS
        SUSAP M25 K5FR01-Y R      060JOELYK5EA0EE  R   HM                    18650060    + 02400                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M25 K5GRW01    0050020065 N36454601W088350720+0100    +0130000519000040100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP M25 K5PR01-Y RW01 001Y0000W01B0N3645460135W08835071990+013000300N3647149595W0883458554510675122400040 0F400000448998C8
        SUSAP M25 K5PR01-Y RW01 002E      +01583+01583LP        78432
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 522 THRE: 519	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 36
MAYFIELD, KY	AIRPORT NAME: MAYFIELD GRAVES COUNTY	RNAV	RNAV (GPS) Y RWY 1, AMDT 1	AMDT: ORIG
				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:

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
	LUXON	LUXON	010	IAF	HF	R	FO		006.5(004.5T)	006.0	AA 02300	
		LUXON	010	FACF	IF		FB				AA 02300	
		COCHE	020	FAF	TF		FB	0.5	006.5(004.5T)	006.8	AA 02100	
		ZIRPU	021	SDF	TF		FB	0.3	006.5(004.5T)	003.2	AA 01060 GS 01069	
		RW01	030	MAP	TF		FO	0.3	006.5(004.5T)	001.6	AT 00559	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		006.5(004.5T)		AA 00880	
	JOELY	050		DF		FO				AA 02400	
	JOELY	060		HM	R	FO		186.5(184.5T)	006.0	AA 02400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COCHE	N364056.28	W0883535.32	N3640.938	W08835.589
	JOELY	N365911.22	W0883348.71	N3659.187	W08833.812
	LUXON	N363408.97	W0883614.79	N3634.150	W08836.247
	ZIRPU	N364410.18	W0883516.51	N3644.170	W08835.275
	RW01	N364546.01	W0883507.20	N3645.767	W08835.120

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00519	40

QUALITY CHECKED

CITY AND STATE	ELEVATION: 522 THRE: 519	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 36
MAYFIELD, KY	AIRPORT NAME: MAYFIELD GRAVES COUNTY	RNAV	RNAV (GPS) Y RWY 1, AMDT 1	AMDT: ORIG
				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	276/30 CW 096/30	LUXON	1. TOWER (21-000938)	363258.00N/0881952.00W	1235 (3C)	1000		2300
			2. TERRAIN	362830.00N/0875712.00W	703 (700)		AS1500	2200
STRAIGHT-IN AREA	096/30 CW 276/30	LUXON	3. TOWER (21-001302)	370256.00N/0883652.00W	1325 (3C)	1000		2400
			2. TERRAIN	362830.00N/0875712.00W	703 (700)		AS1500	2200
INTERMEDIATE	LUXON (IF/IAF)	COCHE	4. TOWER (21-000166)	363330.00N/0883522.00W	889 (5D)	500		1400
			5. TERRAIN	363942.00N/0883345.00W	617 (600)		AS1500	2100
FINAL: LP	COCHE	ZIRPU/1.60 NM TO RW01	6. AAO	364128.43N/0883536.47W	739 (2C)	250	RA61	1060
FINAL: LNAV	COCHE	ZIRPU/1.60 NM TO RW01	7. AAO	364229.28N/0883440.81W	749 (2C)	250	RA61	1060
FINAL: LP STEPDOWN	ZIRPU/1.60 NM TO RW01	RW01	8. TREE (KM25T0224)	364529.34N/0883516.52W	614 (1A)	250		880
FINAL: LNAV STEPDOWN	ZIRPU/1.60 NM TO RW01	RW01	9. TREE	364507.41N/0883440.65W	639 (2C)	250		900
2. HOLD-IN-LIEU-OF-PT	LUXON	P-7	4. TOWER (21-000166)	363330.00N/0883522.00W	889 (5D)	1000	AT411	2300
			10. TERRAIN	363942.00N/0883342.00W	627 (600)		AS1500	2100
3. MISSED APPROACH — MAP:	RW01	JOELY				ASC		2400
			11. AAO	365339.00N/0883630.00W	722 (4D)	1000		1800
ELEV:	780/800		12. TERRAIN	365339.00N/0883630.00W	522 (500)		AS1500	2000

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	538	13. TWR (21-000963)	364626.00N/0883640.00W	700 (4D)	300	AC50	1060
CATEGORY B	1.5 NM	450	538	13. TWR (21-000963)	364626.00N/0883640.00W	700 (4D)	300	AC50	1060
CATEGORY C	1.7 NM	450	538	13. TWR (21-000963)	364626.00N/0883640.00W	700 (4D)	300	AC50	1060
CATEGORY D	2.3 NM	550	758	14. TOWER (21-000736)	364519.00N/0883937.00W	970 (1A)	300		1280
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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 522 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MAYFIELD, KY	MAYFIELD GRAVES COUNTY	RNAV	RNAV (GPS) Y RWY 1, AMDT 1	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
LOU FSS ZME ARTCC		N W S	OTHER: AWOS-3	SOURCE: KM25 / KPAH
	X	F A A		DISTANCE: 0 / 19.63
		A / C		HOURS REMOTE OPERATION: 0 / 24 HR BACKUP
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KM25			ADJUSTMENT: 0 / 61

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 01 (PCL), 19 (PCL)
	X	REIL 01 (PCL), 19 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 01 (PCL), 19 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT NPI-F 01, 19	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 519.2
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 40.0

9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: DONALD E. SMITH (JOHN R. LINDSEY)	DATE: 01/29/2013
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KM25, AWOS 3, NOT ON SERVICE A
KPAH, ASOS 3, ON SERVICE A

VGSI: 3.00/40.4

8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
CAT A: 1.30 NM
CAT B: 1.82 NM
CAT C: 2.87 NM
CAT D: 3.74 NM

LPV AND LNAV/VNAV NOT DEVELOPED DUE TO MULTIPLE GQS PENETRATIONS, RNAV (GPS) Z RWY 1 DEVELOPED WITH RAISED RNAV GLIDESLOPE TO INCLUDE VGA PER FPT REQUEST.

RASS PRESSURE PATTERNS SAME
KM25 KPAH, 522.3 410.1
RA = 60.86.
SEE ATTACHED AIRSPACE LETTER.

100 FT VEGETATION USED.

#13 TOWER 364626.00N-0883640.00W 700 (4D) - REQUESTED FLIGHT CHECK VERIFICATION; OBSTACLE USED IN PREVIOUS REVISION.

PROCEDURE NA AT NIGHT DUE TO UNLIGHTED 20:1 PENETRATIONS TO RWY 01/19.

TERPS VOLUME ONE, VISUAL PORTION OF FINAL PENETRATIONS:

(FPT NOTIFIED)
RWY 19:
20:1:
550 RD (N) (KM25T0176) 364641.62N/0883456.19W (3.98)
562 TREE (KM25T0168) 364638.65N/0883457.27W (31.29)
533 POLE (KM25T0162) 364637.10N/0883458.04W (10.34)
RWY 1, 20:1:
551 TREE (KM25T0049) 364539.56N/0883506.90W (9.39)
558 TREE (KM25T0029) 364538.49N/0883508.07W (10.63)
561 TREE (KM25T0020) 364537.99N/0883509.14W (10.77)
561 TREE (KM25T0021) 364538.05N/0883508.32W (11.33)
550TREE (KM25T0060) 364539.99N/0883502.32W (12.01)
555 TREE (KM25T0046) 364539.33N/0883507.14W (12.16)
559 TREE (KM25T0038) 364538.87N/0883509.25W (13.17)
558 TREE (KM25T0053) 364540.31N/0883513.29W (18.15)
34:1: (TOP 5 OF 21 LISTED)
598 TREE (KM25T0230) 364526.86N/0883514.05 (26.64)
594 TREE (KM25T0228) 364527.10N/0883510.68W (23.98)
590 TREE (KM25T0225) 364528.35N/0883511.99W (23.44)
570 TREE (KM25T0221) 364529.77N/0883511.32W (7.77)
538 TREE (KM25T0056) 364539.88N/0883505.93W (6.75)

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COCHE **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 364056.28N/0883535.32W **TYPE:** WP

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

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

REMARKS:
8260.54A 2-16B PFAF FORMULA USED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 01			KM25	MAYFIELD	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/27/2013

REASON FOR REVISION:
1. CHANGED "RNP FORMULA USED" REMARK TO READ "8260.54A 2-16B PFAF FORMULA USED".
2. UPDATED FIX USE.
3. MOVED FIX 393.62 FT SOUTH AND UPDATED COORDINATES.

DEVELOPED BY: **DATE:** 01/24/2013 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOELY **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 365911.22N/0883348.71W **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	006.49	186.49	R		6	2400	6000	7	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (21-001302)	370256.00N/0883652.00W	1325	3C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
230 AIRSPEED USED TO ACCOMMODATE MILITARY AIRCRAFT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 19		1	KM25	MAYFIELD	KY (US)
IAP	RNAV (GPS) Y RWY 01		1	KM25	MAYFIELD	KY (US)
IAP	RNAV (GPS) Z RWY 01		1	KM25	MAYFIELD	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 06/27/2013

REASON FOR REVISION:
1. MOVED FIX 4985.44 FT NORTH AND UPDATED COORDINATES.
2. UPDATED FIX USE.
3. CHANGED HOLD PAT 1 INBOUND HEADING FROM 184.48 TO 186.49.

DEVELOPED BY: **DATE:** 01/24/2013 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUXON **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 363408.97N/0883614.79W **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	186.46	006.46	R		6	2300	6000	7	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (21-000166)	363330.00N/0883522.00W	889	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
230 AIRSPEED USED TO ACCOMMODATE MILITARY OPERATIONS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 19		1	KM25	MAYFIELD	KY (US)
IAP	RNAV (GPS) Y RWY 01		1	KM25	MAYFIELD	KY (US)
IAP	RNAV (GPS) Z RWY 01		1	KM25	MAYFIELD	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/27/2013

REASON FOR REVISION:
1. MOVED FIX 4661.34 FT SOUTH AND UPDATED COORDINATES.
2. UPDATED FIX USE.
3. CHANGED HOLD PAT 1 INBOUND HEADING FROM 004.46 TO 006.46.

DEVELOPED BY: **DATE:** 01/25/2013 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZME
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIRPU **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 364410.18N/0883516.51W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 01			KM25	MAYFIELD	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 06/27/2013

DEVELOPED BY: **DATE:** 01/25/2013 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY:
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MAYFIELD COUNTY** STATE: **KY**

AIRPORT NAME: **MAYFIELD** ID: **KM25**

PROCEDURE: **RNAV (GPS) Y RWY 1** AMDT: **1**

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 **THLD** to 1000' point **2.84**
   (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 **004.47**
4. High Terrain in **FINAL** segment containing 1000' point **539**
5. Distance from **THLD** to 1500' point **4.64**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.95**
7. True Course of **FINAL** segment containing 1500' point **004.47**
8. High Terrain in **FINAL** segment containing 1500' point **539**
9. Threshold Coordinates (if straight-in) ... **364546.01N** / **0883507.20W**
10. ARP Coordinates ..... **364610.70N** / **0883504.80W**
11. Runway Approach End and distance furthest from ARP.....RWY **01**
    Distance **0.41** NM
12. FAF Coordinates ..... **364056.28N** / **0883535.32W**
    (Click to Select)

REMARKS: Approach/Drawing attached. LUXON (IF/IAF) SI-TAA, 363408.97N/0883614.79W, 30 NM

RADIO FIX AND HOLDING DATA RECORD

NAME: FUWZA **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 363518.12N/0884221.70W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 36			KM25	MAYFIELD	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
1. DELETED FAC 1.
2. MOVED FIX 2.13 NM NORTH.
3. UPDATED FIX LAT/LONG COORDINATES.
4. UPDATED FIX USE.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MUCCI **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 363431.40N/0882958.99W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 36			KM25	MAYFIELD	KY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
1. DELETED FAC 1.
2. MOVED FIX 2.13 NM NORTH.
3. UPDATED FIX LAT/LONG COORDINATES.
4. UPDATED FIX USE.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY:
OTHER:

QUALITY CHECKED

Federal Aviation Administration

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-352 DSmith
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-352 SCrumb
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-341 JAlfonso
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE

Memorandum

Date:

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

From: Susan L. Crumb, Manager, Eastern Product Team, AJV-352

Subject: **ACTION:** Magnetic Variation Change for Mayfield Graves County, Mayfield, KY (KM25)

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.

RNAV (GPS) Z RWY 01, ORIG
RNAV (GPS) Y RWY 01, AMDT 1
RNAV (GPS) RWY 19, AMDT 1
TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 3

Estimated Chart Date: 06/27/2013

Runway Numbers are affected with the airport rotation; 18/36 change to 01/19.

Please publish these changes in the National Flight Data Digest.

KENTUCKY

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Is	Epoch Year
Mayfield	Mayfield Graves County	Airport	KM25 / M25	Old 0° East New 2° West	2015

If you have any questions please notify Susan L. Crumb, susan.l.crumb@faa.gov (405-954-8686).

cc: AJV-3rf
sjb:x7537: 01/17/2013 : (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2013\ MV Change for Mayfield, KY (KM25) 1-17-13 Requestor: JLindsey, Evaluated By: LFortier