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
INDIA	IGMIF (FB)	135.42 / 22.61	2000
TRV VORTAC	OPTOZ (FB)	016.80 / 21.31	2000
IGMIF (IAF)	LIQNI (NOPT) (FB)	195.02 / 5.05	2000
OPTOZ (IAF)	LIQNI (NOPT) (FB)	353.70 / 5.31	2000
LIQNI (IF/IAF)	HUKDI (FB)	273.98 / 6.00	1500
HUKDI (FAF)	RW27R (MAP) (FO)	273.93 / 4.46	
RW27R (MAP)	226 MSL	273.93	
226 MSL	CEJNO (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW27R

CLIMB TO 2000 DIRECT CEJNO AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E LIQNI, RT, 273.98 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 273.93 FAF: HUKDI DIST FAF TO MAP: 4.46 THLD: 4.46
4. MIN. ALT: LIQNI 2000, HUKDI 1500
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: HUKDI 1500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
8. MSA FROM: RW27R 3000

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 093.79 INBOUND.
CHART FAS OBST: 137 TREE 280651N/0803742W
CHART: 182 BLDG-TWR 280553N/0803405W
CHART W-497B.
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 1.00 MILES TO RW27R*
*LNAV ONLY.
WAAS CHANNEL # 50101
REFERENCE PATH ID: W27A
LTP HAE: -20.3 M

MAG VAR: 7W 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	226	3/4	200	226	3/4	200	226	3/4	200	226	3/4	200			
LNAV/VNAV DA	437	1 3/8	411	437	1 3/8	411	437	1 3/8	411	437	1 3/8	411			
LNAV MDA	400	1	374	400	1	374	400	1	374	400	1	374			
CIRCLING	500	1	467	520	1	487	520	1 1/2	487	620	2	587			

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 PLANVIEW NOTE AT IGMIF : MAX 210 KIAS.
CHART PLANVIEW NOTE AT OPTOZ : MAX 210 KIAS.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 33 THRE: 26 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MELBOURNE, FL	MELBOURNE INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 1	AMDT: ORIG
				DATED 09/30/2004

QUALITY CHECKED

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **MLB ATCT, ORL APP CON, ZJX.**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
MICHAEL DOJCAK	**AJV-352**	**05/18/2012**

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

CHANGES:

1. AMENDED TERMINAL ROUTE INDIA TO IGMIF COURSE FROM 132.26 TO 135.42 AND DISTANCE FROM 22.22 TO 22.61.
2. VRB VORTAC UPDATED TO TRV VORTAC.
3. AMENDED TERMINAL ROUTE TRV VORTAC TO OPTOZ COURSE FROM 011.49 TO 016.80 AND DISTANCE FROM 21.18 TO 21.31.
4. AMENDED TERMINAL ROUTE IGMIF TO LIQNI COURSE FROM 185.86 TO 195.02 AND DISTANCE FROM 5.00 TO 5.05.
5. AMENDED TERMINAL ROUTE OPTOZ TO LIQNI COURSE FROM 354.39 TO 353.70 AND DISTANCE FROM 5.27 TO 5.31.
6. AMENDED TERMINAL ROUTE LIQNI TO HUKDI COURSE FROM 269.98 TO 273.98.
7. LIQNI HOLD IN LIEU COURSE INBOUND AMENDED FROM 269.98 TO 273.98.
8. AMENDED FINAL APPROACH COURSE FROM 269.93 TO 273.93.
9. AMENDED DIST FAF TO MAP FROM 4.40 TO 4.46.
10. MISSED APPROACH HOLDING COURSE INBOUND AMENDED FROM 089.78 TO 093.79.
11. AMENDED ADDITIONAL FLIGHT DATA FAS OBSTACLE CHART NOTES.
12. DISTANCE TO THLD FROM 258 HAT: 0.66 NM UPDATED TO DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
13. VDP UPDATED FROM 0.94 MILES TO RW27R TO 1.00 MILES.
14. UPDATED LPV DA MINIMUMS FROM DA 290/VIS 1/HAT 258 TO DA 226/VIS 3/4 /HAT 200 ALL CATS.
SEE 8260-10

REASONS:

1. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.
2. FACILITY NAME CHANGE PER EST FPT AND MEMORANDUM DTD 05/10/2011.
3. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.
4. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.
5. ROUTE REDESIGNED FOR AIRPORT MAGVAR UPDATE FROM 3W TO 7W USING CURRENT CRITERIA AND DATA.
6. MAGVAR UPDATE FROM 3W TO 7W.
7. MAGVAR UPDATE FROM 3W TO 7W.
8. MAGVAR UPDATE FROM 3W TO 7W.
9. FAF MOVED TO RNP PFAF LOCATION PER CRITERIA.
10. EVALUATED WITH MAGVAR UPDATE FROM 3W TO 7W AND AMENDED FIX LOCATIONS.
11. EVALUATED TO CURRENT CRITERIA AND DATA.
12. EVALUATED TO CURRENT CRITERIA AND DATA.
13. EVALUATED TO CURRENT CRITERIA AND DATA.
14. EVALUATED TO CURRENT CRITERIA AND DATA.
SEE 8260-10

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT INDIA ON V3 NORTHBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON TRV VORTAC AIRWAY RADIALS 325 CW 350.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

QUALITY 3

CITY AND STATE	ELEVATION: 33 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 1	AMDT: ORIG
				DATED: 09/30/2004

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. UPDATED LNAV/VNAV DA MINIMUMS FROM DA 480/VIS 1 1/2/HAT 448 TO DA 437/VIS 1 3/8/HAT 411 ALL CATS.
16. UPDATED LNAV MDA MINIMUMS FROM MDA 380/HAT 348 TO MDA 400/HAT 374 ALL CATS AND CAT D VIS FROM 1 1/4 TO 1.
17. UPDATED CIRCLING CAT A AND B VIS FROM 1 1/2 TO 1 AND CAT B AND C FROM MDA 580/HAA 547 TO MDA 520/HAA 487.
18. REMOVED CHART NOTE: BARO-VNAV NA BELOW -16C (4F) AND ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
19. ADDED CHART PLANVIEW NOTE AT IGMIF AND OPTOZ: MAX 210 KIAS AND PROCEDURE NA FOR ARRIVALS ON TRV VORTAC AIRWAY RADIALS 325 CW 350.

REASONS:

REASONS CONT.

15. EVALUATED TO CURRENT CRITERIA AND DATA.
16. EVALUATED TO CURRENT CRITERIA AND DATA.
17. EVALUATED TO CURRENT CRITERIA AND DATA.
18. UPDATED TO CURRENT CRITERIA AND DATA.
19. 210 KIAS USED TO MINIMIZE CHANGES IN INITIAL SEGMENT FIX LOCATIONS, TURN ANGLES AND LENGTHS, PER ATC AND FPT REQUEST. PROCEDURE NA NOTE REQUIRED PER CURRENT CRITERIA.

EFFECTIVE CONCURRENT WITH: KMLB RNAV (GPS) RWY 9L, AMDT 1.

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMLB
RUNWAY	RW27R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	280622.6900N
LTP/FTP LONGITUDE	0803828.6000W
LTP/FTP ELLIPSOIDAL HEIGHT	-00203
FPAP LATITUDE	280617.8400N
FPAP LONGITUDE	0804009.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A46810AF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00079
FPAP ORTHOMETRIC HEIGHT	+00079

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 1	AMDT: ORIG
				DATED: 09/30/2004

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

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:

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        TRV   K7011730VTHA N27404233W080292301    N27404233W080292301W0070000112     NARTREASURE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CEJNO K70    W     N28054369W080514439                      W0062     NAR           CEJNO
        SUSAEAENRT   HUKDI K70    W     N28063714W080332670                      W0064     NAR           HUKDI
        SUSAEAENRT   IGMIF K70    W     N28115727W080255206                      W0065     NAR           IGMIF
        SUSAEAENRT   INDIA K70    C   L N28260419W080455525                      W0063     NAR           INDIA
        SUSAEAENRT   LIQNI K70    W     N28065632W080263988                      W0064     NAR           LIQNI
        SUSAEAENRT   OPTOZ K70    W     N28014554W080251701                      W0064     NAR           OPTOZ

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7AMLB     0     101YHN28060991W080384293W007000033         1800018000C    MNAR    MELBOURNE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7FR27R  AINDIA 010INDIAK7EA0E       IF                                                18000                 A JS
        SUSAP KMLBK7FR27R  AINDIA 020IGMIFK7EA0E  A 020TF                      13540226    + 02000          210              A-JS
        SUSAP KMLBK7FR27R  AINDIA 030LIQNIK7EA0EE B 010TF                      19500051    + 02000                           A JS
        SUSAP KMLBK7FR27R  ALIQNI 010LIQNIK7EA0EE AR   HF                      27400040    + 02000     18000                 A JS
        SUSAP KMLBK7FR27R  ATRV   010TRV  K7D 0V       IF                                              18000                 A JS
        SUSAP KMLBK7FR27R  ATRV   020OPTOZK7EA0E  A 020TF                      01680213    + 02000          210              A-JS
        SUSAP KMLBK7FR27R  ATRV   030LIQNIK7EA0EE B 010TF                      35370053    + 02000                           A JS
        SUSAP KMLBK7FR27R  R      010LIQNIK7EA0E  I    IF                                  + 02000     18000                 A JS
        SUSAP KMLBK7FR27R  R      020HUKDIK7EA1E  F 051TF                      27400060    + 01500                 RW27R K7PGA JS
        SUSAP KMLBK7FR27R  R      020HUKDIK7EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KMLBK7FR27R  R      030RW27RK7PG0GY M 031TF                      27390045      00081             -300          A JS
        SUSAP KMLBK7FR27R  R      040          0  M     CA                     2739        + 00226                           A JS
        SUSAP KMLBK7FR27R  R      050CEJNOK7EA0EY      DF                                  + 02000                           A JS
        SUSAP KMLBK7FR27R  R      060CEJNOK7EA0EE  R   HM                      09380040    + 02000                           A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7GRW27R   0060002739 N28062269W080382860+0100    -0020300026000055150R

                 1         2         3         4         5         6         7         8         9         0         1         2
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 33 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: MELBOURNE INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 1	AMDT: ORIG
				DATED: 09/30/2004

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

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:

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.

```
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7PR27R  RW27R001 0000W27A0N2806226900W08038286000-002030300N2806178400W0804009200010675092000055OF400350A46810AF
        SUSAP KMLBK7PR27R  RW27R002E      +00079+00079LPV       50101

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMLBK7SRW27RK7PG              0   18018003025                                                                    M
```

CITY AND STATE	ELEVATION: 33 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: **MELBOURNE INTL**	**RNAV**	**RNAV (GPS) RWY 27R, AMDT 1**	AMDT: **ORIG**
				DATED: **09/30/2004**

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

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
	INDIA	INDIA	010		IF		FB					
	INDIA	IGMIF	020	IAF	TF		FB	2.0	135.4(128.4T)	022.6	AA 02000	AB 210
	INDIA	LIQNI	030		TF		FB	1.0	195.0(188.0T)	005.1	AA 02000	
	LIQNI	LIQNI	010	IAF	HF	R	FO		274.0(267.0T)	004.0	AA 02000	
	TRV	TRV	010		IF		FB					
	TRV	OPTOZ	020	IAF	TF		FB	2.0	016.8(009.8T)	021.3	AA 02000	AB 210
	TRV	LIQNI	030		TF		FB	1.0	353.7(346.7T)	005.3	AA 02000	
		LIQNI	010	FACF	IF		FB				AA 02000	
		HUKDI	020	FAF	TF		FB	0.5	274.0(267.0T)	006.0	AA 01500	
		RW27R	030	MAP	TF		FO	0.3	273.9(266.9T)	004.5	AT 00081	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		273.9(266.9T)		AA 00226	
	CEJNO	050		DF		FO				AA 02000	
	CEJNO	060		HM	R	FO		093.8(086.8T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	TRV	N274042.33	W0802923.01	N2740.706	W08029.384
	CEJNO	N280543.69	W0805144.39	N2805.728	W08051.740
	HUKDI	N280637.14	W0803326.70	N2806.619	W08033.445
	IGMIF	N281157.27	W0802552.06	N2811.955	W08025.868
	INDIA	N282604.19	W0804555.25	N2826.070	W08045.921
	LIQNI	N280656.32	W0802639.88	N2806.939	W08026.665
	OPTOZ	N280145.54	W0802517.01	N2801.759	W08025.284
	RW27R	N280622.69	W0803828.60	N2806.378	W08038.477

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27R	00026	55

CITY AND STATE	ELEVATION: 33 THRE: 26	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MELBOURNE, FL	AIRPORT NAME: **MELBOURNE INTL**	**RNAV**	**RNAV (GPS) RWY 27R, AMDT 1**	AMDT: **ORIG**
				DATED: **09/30/2004**

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

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.
FEEDER	INDIA	IGMIF	1. SHIP	281211.00N/0802732.00W	300 (2C)	1000	AT700	2000
			2. TERRAIN	282412.00N/0804509.00W	95 (100)		AS1500	1600
FEEDER	TRV VORTAC	OPTOZ	3. TOWER (12-002803)	274408.00N/0802726.00W	524 (5D)	1000	AT476	2000
			4. TERRAIN	274000.00N/0803124.00W	26 (0)		AS1500	1500
INITIAL	IGMIF	LIQNI	5. SHIP	280654.00N/0802627.00W	300 (2C)	1000	AT700	2000
			6. SURFACE	280500.00N/0802609.00W	0 (0)		AS1500	1500
INITIAL	OPTOZ	LIQNI	5. SHIP	280654.00N/0802627.00W	300 (2C)	1000	AT700	2000
			7. SURFACE	280042.00N/0802745.00W	0 (0)		AS1500	1500
INTERMEDIATE	LIQNI (IF/IAF)	HUKDI	5. SHIP	280654.00N/0802627.00W	300 (2C)	500		800
			8. SURFACE	280321.00N/0802821.00W	0 (0)		AS1500	1500
FINAL: LPV	HUKDI	RW27R				ASC		226/200
FINAL: LNAV/VNAV	HUKDI	RW27R	9. TREE	280651.00N/0803742.00W	137 (2C)	23.44:1	AC20	437/411
FINAL: LNAV	HUKDI	RW27R	9. TREE	280651.00N/0803742.00W	137 (2C)	250		400
2. HOLD-IN-LIEU-OF-PT	LIQNI	P-4	5. SHIP	280654.00N/0802627.00W	300 (2C)	1000	AT700	2000
			10. SURFACE	281200.00N/0801900.00W	0 (0)		AS1500	1500
3. MISSED APPROACH MAP:	DA / DA / RW27R	CEJNO				ASC		2000
			11. TOWER (12-003950)	280520.00N/0805151.00W	339 (1A)	1000		1400
ELEV:	58/276/300		12. TERRAIN	280733.00N/0805251.00W	50 (100)		AS1500	1600

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.		
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	467
CATEGORY B	1.5 NM		450		487
CATEGORY C	1.7 NM		450		487
CATEGORY D	2.3 NM		550		587
CATEGORY E	4.5 NM		550		

13. BLDG (12-002246)	280524.00N/0803730.00W	191 (1A)	300		500
14. TOWER (12-003336)	280518.43N/0803634.62W	212 (1A)	300		520
14. TOWER (12-003336)	280518.43N/0803634.62W	212 (1A)	300		520
15. TOWER (12-003622)	280833.00N/0804005.00W	305 (1A)	300		620

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW27R**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-004140)	304/ 22.7	1949 (2C)	3000					

QUALITY 3

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MELBOURNE, FL	ELEVATION: 33 AIRPORT NAME: MELBOURNE INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 1	CHECKED ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
MLB TOWER ORL APP CON ZJX ARTCC		NWS	OTHER: ASOS	SOURCE: KMLB
				DISTANCE:
	X	FAA		HOURS REMOTE OPERATION: 24
SATISFACTORY ON:		A/C		
X VHF X UHF HF	LOCATION: KMLB			ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 09R (PCL)
X	HIRL 27L, 09R
X	MIRL 09L, 27R
X	REIL 27L (PCL)
X	TDZ 09R
X	C/L 27L, 09R
X	OTHER (SPECIFY) PAPI-2L 05, 23 PAPI-4L 09L, 27L, 09R, 27R

6. RUNWAY MARKINGS	BASIC	BSC-G 09L, 05, 23, 27R
	ALL WEATHER	PIR-F 27L, 09R
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	09R
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH		
	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 26.0
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 55.0

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

10. WAIVERS: NONE

QUALITY 3 CHECKED

PART D - PREPARED BY:	DATE:
MICHAEL DOJCAK	05/18/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 182 BLDG-TWR 280553N/0803405W

SEE ATTACHED AIRSPACE LETTER.

RASS ADJUSTMENT NOT REQUIRED - REDUNDANT ALTIMETER SOURCE (LAWRS) ON FIELD.

BLOCK 3: KMLB/KMLB; DISTANCE: ON AFLD/ON AFLD; HOURS REMOTE OPERATION: NA; ADJUSTMENT: NA; KMLB IS ON SERVICE A.

VGSI DATA: 3.00/37.

AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.
(NO HISTORICAL DATA AVAILABLE)

TAA NOT DEVELOPED PER FPT AND AIR TRAFFIC.

POLICY APPROVED USE OF AFS-420 MEMOS:
HARMONIZED FLIGHT INSTRUMENT PROCEDURE DESIGN CALCULATIONS.
REVISED PERFORMANCE BASED NAVIGATION (PBN) FLY-BY (FB)/RADIUS-TO-FIX (RF) TURN MAXIMUM BANK ANGLE LIMITS; OMNI-DIRECTIONAL TAILWIND REQUIREMENTS; AND MINIMUM INITIAL DEPARTURE LEG SEGMENT LENGTH DESIGN CRITERIA.

25 DEGREE ANGLE OF BANK UTILIZED IN PROCEDURE AT FIX LIQNI (IF/IAF) FOR INITIAL SEGMENT TURNS.

PER FPT:
RWY 9R SURVEY PIR
RWY 9L/27R/27L SURVEY ANAPC

100' TREES USED PER EST FPT.

SHIP HEIGHTS PER FPT: WITHIN CHANNEL 50 FT
OUTSIDE CHANNEL - SHALLOW WATER 90 FT, DEEP WATER IN VICINITY OF MAP CL OUTWARD 300 FT.

LPV, LNAV/VNAV AND LNAV INTERMEDIATE OBSTACLE AND TERRAIN THE SAME.

RADIO FIX AND HOLDING DATA RECORD

NAME: CEJNO **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280543.69N/0805144.39W **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	W		WP	273.79	093.79	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003530)	280718.85N/0810034.52W	369	1A

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 27R		1	KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 9L			KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 425.16 FT/.07 NM W ON CENTERLINE.
REMOVED FAC 1 DATA.
PAT 1 RAD/CRS/BRG CHANGED FROM 269.78 TO 273.79, CRS INBOUND FROM 089.78 TO 093.79 AND MAX TEMPLATE FROM 5 TO 6.
PAT 1 CONTROLLING OBSTRUCTION DATA UPDATED.
HOLDING LIMITED TO ESTABLISHED PATTERN MOVED FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APP CON

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUKDI **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280637.14N/0803326.70W **TYPE:** WP

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

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

REMARKS:
FIX COORDINATES AT RNP PFAF LOCATION.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 353.35 FT/.06 NM E TO RNP PFAF LOCATION.
REMOVED FAC 1 DATA.
ADDED REMARK: FIX COORDINATES AT RNP PFAF LOCATION.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: IGMIF **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 281157.27N/0802552.06W **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 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 3138.23 FT/.52 NM E.
REMOVED FAC 1 DATA.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 05/02/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APPROACH

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: INDIA **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 282604.19N/0804555.25W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MELBOURNE	MLB	VOR/DME	L	347.76	340.76	20.87	20.87		2000	17500
2	ORLANDO	ORL	VORTAC	H	102.00	102.00	30.81	30.81		2000	17500

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

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	175.75	355.75	L		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-001445)	282100.62N/0804627.87W	461	1A

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
MELBOURNE (FAC 1) AND ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATED COMPLETE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V3	1, 2				FL (US)
IAP	RNAV (GPS) RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 15			KTTS	TITUSVILLE	FL (US)
IAP	RNAV (GPS) RWY 33			KTTS	TITUSVILLE	FL (US)
IAP	RNAV (GPS) RWY 15		1	KX21	TITUSVILLE	FL (US)
IAP	RNAV (GPS) RWY 33		1	KX21	TITUSVILLE	FL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
CHANGED FAC 1 MAG BRG FROM 342.76 TO 347.76 DUE TO MLB VOR/DME MAG VAR CHANGE
UPDATED FIX USE

DEVELOPED BY: **DATE:** 05/29/2012 **OFFICE:** AJV-311 **NAME:** TOBY HUFF (DANIEL WHITNEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: DAB APP CON, ORL APP CON
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIQNI **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280656.32N/0802639.88W **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	E		WP	093.98	273.98	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	280654.00N/0802627.00W	300	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W497B.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 9L		1	KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 378.37 FT/.06 NM E ON CENTERLINE.
REMOVED FAC 1 DATA.
PAT 1 RAD/CRS/BRG CHANGED FROM 089.98 TO 093.98, CRS INBOUND FROM 269.98 TO 273.98 AND MAX TEMPLATE FROM 5 TO 6.
PAT 1 CONTROLLING OBSTRUCTION ELEVATION UPDATED.
HOLDING LIMITED TO ESTABLISHED PATTERN MOVED FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APP CON

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OPTOZ **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280145.54N/0802517.01W **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 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 3021.69 FT/.50 NM E.
REMOVED FAC 1 DATA.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 04/30/2012 **OFFICE:** AJV-352 **NAME:** MICHAEL DOJCAK

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: MLB ATCT
OTHER: ORL APPROACH

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TREASURE VORTAC **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 274042.33N/0802923.01W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TREASURE	TRV	VORTAC	H							45000

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	TRV	VORTAC	347.04	167.04	L	1-1 1/2		10000	24000	4	19
2	N	TRV	VORTAC	348.00	168.00	R	1-1 1/2		2000	24000	4	19
3	NW	TRV	VORTAC	336.95	156.95	R	1		2000	6000	4	5
4	NW	TRV	VORTAC	303.00	123.00	R	1		2000	6000	4	5
5	N		WP	345.10	165.10	L		10	10000	16000	15	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
2	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
3	200	TOWER (12-002803)	274408.00N/0802726.00W	524	5D
4	200	TOWER (12-003485)	274431.00N/0803923.00W	398	5D
5	230	TOWER (12-002803)	274408.00N/0802726.00W	524	5D

REASON FOR NONSTANDARD HOLDING:
PAT 5 ATC REQUEST
PAT 1 AVOID ADJACENT AIRSPACE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVAL COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497B.
PAT 2 HOLDING ATC REQUEST.
PAT 4 ALTERNATE MISSED APPROACH HOLDING. (DO NOT CHART)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	MARLY			KORL	ORLANDO	FL (US)
DP	SOAPS			KORL	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	BR62V					(US)
EN ROUTE	J45					(US)
EN ROUTE	J79					(US)
EN ROUTE	V159					(US)
EN ROUTE	V225					(US)
EN ROUTE	V295					(US)
EN ROUTE	V3					(US)
EN ROUTE	V51					(US)
EN ROUTE	V537					(US)
IAP	ILS OR LOC RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	NDB RWY 28L			KFPR	FORT PIERCE	FL (US)
IAP	NDB-A			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 28L			KFPR	FORT PIERCE	FL (US)
IAP	VOR/DME RWY 14		3	KFPR	FORT PIERCE	FL (US)
IAP	ILS OR LOC RWY 09R			KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 09L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 09R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 27R			KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 14			KOBE	OKEECHOBEE	FL (US)
IAP	RNAV (GPS) RWY 23			KOBE	OKEECHOBEE	FL (US)
IAP	RNAV (GPS) RWY 4			KX26	SEBASTIAN	FL (US)
IAP	RNAV (GPS) RWY 4			KX26	SEBASTIAN	FL (US)
IAP	VOR RWY 11R			KVRB	VERO BEACH	FL (US)
IAP	VOR/DME RWY 29L			KVRB	VERO BEACH	FL (US)
IAP	ILS OR LOC RWY 8R			KF45	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 10L		4	KPBI	WEST PALM BEACH	FL (US)

QUALITY 3 CHECKED

STAR	GOOFY		KX04	APOPKA	FL (US)
STAR	CAYSL (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	BLUFI		KFLL	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)		KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KFXE	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)		KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFXE	FORT LAUDERDALE	FL (US)
STAR	SHFTY (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	BLUFI		KHWO	HOLLYWOOD	FL (US)
STAR	FISEL (RNAV)		KHWO	HOLLYWOOD	FL (US)
STAR	GISSH		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY	1	KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	5	KHST	HOMESTEAD	FL (US)
STAR	ANNEY	1	KX51	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	5	KX51	HOMESTEAD	FL (US)
STAR	FRWAY (RNAV)		K06FA	JUPITER	FL (US)
STAR	ANNEY	1	K07FA	KEY LARGO	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)	5	K07FA	KEY LARGO	FL (US)
STAR	BAIRN (RNAV)		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY	1	KMIA	MIAMI	FL (US)
STAR	BLUFI		KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)	5	KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	FISEL (RNAV)		KOPF	MIAMI	FL (US)
STAR	GISSH		KOPF	MIAMI	FL (US)
STAR	ANNEY	1	KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)	5	KTMB	MIAMI	FL (US)
STAR	BAIRN (RNAV)		KISM	ORLANDO	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KORL	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KSFB	ORLANDO	FL (US)
STAR	GOOFY		KSFB	ORLANDO	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	FISEL (RNAV)		KPMP	POMPANO BEACH	FL (US)
STAR	GISSH		KPMP	POMPANO BEACH	FL (US)
STAR	GOOFY		KTIX	TITUSVILLE	FL (US)
STAR	FRWAY (RNAV)		KF45	WEST PALM BEACH	FL (US)
STAR	FRWAY (RNAV)		KPBI	WEST PALM BEACH	FL (US)
STAR	TUXXI		KPBI	WEST PALM BEACH	FL (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX NAME CHANGED FROM VERO BEACH VORTAC TO TREASURE VORTAC.
REMOVED HOLDING FOR LONNI STAR (PAT 4) AND RE-NUMBERED.
CHANGED HOLD PATTERN 3 MAX TEMPLATE FROM 16 TO 5.
CHANGED INBOUND COURSE PAT 2, 3, 4, 5; ADDED 3 DEGREES FOR MAGVAR CHANGE.
CHANGED HOLD PAT 1 INBOUND COURSE FROM 165 TO 167.04 AND MIN ALTITUDE TO 10000.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/16/2012 **OFFICE:** AJV-352 **NAME:** STEVE BRUMMETT

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: VRB ATCT
OTHER: DAB APP CON/MLB TWR

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MELBOURNE** STATE: **FL**

AIRPORT NAME: **MELBOURNE INTL** ID: **KMLB**

PROCEDURE: **RNAV (GPS) RWY 27R** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(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 **2.89**
   (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 **266.93**
4. High Terrain in **FINAL** segment containing 1000' point **36**
5. Distance from **THLD** to 1500' point **4.46**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.13**
7. True Course of **FINAL** segment containing 1500' point **266.93**
8. High Terrain in **FINAL** segment containing 1500' point **36**
9. Threshold Coordinates (if straight-in) ... **280622.69N** / **0803828.60W**
10. ARP Coordinates ..... **280609.91N** / **0803842.93W**
11. Runway Approach End and distance furthest from ARP ..... RWY **9R**
    Distance **0.85** NM
12. FAF Coordinates ..... **280637.14N** / **0803326.70W**

REMARKS: Approach/Drawing attached.

Federal Aviation Administration

CONCURRENCES	
ROUTING SYMBOL	AJV-34 SBaker
INITIALS/SIG	SJB
DATE	12-23-11
ROUTING SYMBOL	AJV-352 Lead
INITIALS/SIG	JMO
DATE	12-27-11
ROUTING SYMBOL	AJV-352 DAdams
INITIALS/SIG	JMO
DATE	12-27-11
ROUTING SYMBOL	AJV-34 WTerrell
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	

Memorandum

Date: DEC 27 2011

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

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

Subject: **ACTION:** Magnetic Variation Change

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.

BITHO EIGHT STAR
COSTR THREE STAR
ILS OR LOC RWY 9R AMDT 12
LOC BC RWY 27L AMDT 10
RNAV (GPS) RWY 27L AMDT 1
RNAV (GPS) RWY 27R AMDT 1
RNAV (GPS) RWY 9L AMDT 1
RNAV (GPS) RWY 9R AMDT 1
VOR RWY 27L AMDT 13
VOR RWY 9R AMDT 21

Estimated Chart Date: 09/20/2012

Runway Numbers are not affected

Please publish these changes in the National Flight Data Digest.

FLORIDA

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
MELBOURNE	MELBOURNE INTL	Airport	KMLB / MLB	Old 3 ° WEST New 7 ° WEST	2015
MELBOURNE		ILS	MLB	Old 3 ° WEST New 7 ° WEST	2015
MELBOURNE		VDME	MLB	Old 3 ° WEST New 7 ° WEST	2015

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

cc: ATL-FPT, AJV-3rf

AJV-352:DAdams:sjb:x7537:12/23/11: (U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\ MV CHANGE Request for MELBOURNE, FL (KMLB) 12-23-11)