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
LUVLY (IAF)	CACSA (NOPT) (FB)	266.36 / 3.36	2000
CACSA (IF)	ZAGUN (FB)	273.42 / 6.00	2000
ZAGUN (FAF)	JINGI/1.70 NM TO RW27L (FB)	273.37 / 4.40	
JINGI/1.70 NM TO RW27L	RW27L (MAP) (FO)	273.33 / 1.70	
RW27L (MAP)	208 MSL	273.33	
208 MSL	HAXAM (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW27L

CLIMB TO 2000 DIRECT HAXAM AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CACSA
3. FAC: 273.37 FAF: ZAGUN DIST FAF TO MAP: 6.10 THLD: 6.10
4. MIN. ALT: CACSA 2000, ZAGUN 2000, JINGI/1.70 NM TO RW27L 580*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: ZAGUN 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW27L 2900

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 093.23 INBOUND.
CHART FAS OBST: 130 TOWER 253855N/0802535W
CHART FAS OBST: 158 TOWER 253859N/0802353W
CHART A-291D.
DISTANCE TO THLD FROM 200 HATH: 0.47 NM.
CHART VDP AT 1.13 MILES TO RW27L*
*LNAV ONLY.
WAAS CHANNEL # 56400
REFERENCE PATH ID: W27A
LTP HAE: -22.5 M

MAG VAR: 6W EPOCH YEAR: 2010

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	208	3/4	200	208	3/4	200	208	3/4	200	208	3/4	200			
LNAV/VNAV DA	341	1 1/8	333	341	1 1/8	333	341	1 1/8	333	341	1 1/8	333			
LNAV MDA	420	1	412	420	1	412	420	1 1/8	412	420	1 1/8	412			
CIRCLING	460	1	450	460	1	450	460	1 1/2	450	640	2	630			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 13 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 10 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MIAMI, FL	AIRPORT NAME: KENDALL-TAMIAMI EXECUTIVE	RNAV	RNAV (GPS) RWY 27L, AMDT 2	AMDT: 1
				DATED 10/22/2009

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	X ZMA, MIA APP CON, AMGR, ATCT, EAST FPO.

FLIGHT CHECKED BY		
NAME: JERROLD ROBERT KUZIA	FIFO: FIOG	DATE: 04/12/2012
DEVELOPED BY		
NAME: STEVE BRUMMETT	FIFO: AVN-110	DATE: 02/23/2011
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO: AVN-110	DATE:

CHANGES:

1. MOVED ZAGUN TO NEW PFAF LOCATION 608.29 FT. EAST INCREASING FAF TO MAP/THLD DISTANCE FROM 6.0 NM TO 6.1 NM.
2. LOWERED LPV HATH FROM 203 TO 200 AND VISIBILITY FROM 1 TO 3/4 MILE.
3. LOWERED LNAV/VNAV FROM 433 TO 341 AND VISIBILITY FROM 1 1/2 TO 1 1/8 MILE.
4. UPDATED ALTIMETER SETTING NOTE TO INCLUDE LNAV CAT C AND D VISIBILITY INCREASE.
5. INTERMEDIATE SEGMENT DECREASED FROM 6.1 NM TO 6.0 NM.
6. FINAL SEGMENT INCREASED FROM 6.0 NM TO 6.1 NM.
7. LOWERED SDF ALTITUDE FROM 600 TO 580.
8. LOWERED LPV HMAS FROM 45 TO 43, INCREASED LNAV/VNAV HMAS FROM 158 TO 180 AND LNAV FROM 170 TO 320.

REASONS:

1, 2, 3, 4. NEW 54A CRITERIA FOR PFAF FORMULA AND SLOPE CALCULATIONS ELIMINATED MA PENETRATORS, LOWER MINS COORDINATED WITH FPT.
5, 6. PFAF MOVED 0.10 NM.
7. IAPA ESTABLISHED MAXIMUM SDF ALTITUDE AT 599.
8 NEW 54A CALCULATIONS FOR HMAS.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/23/2011:
1. CHANGED AIRPORT REFERENCE POINT COORDINTES TO NEW ACTIVE DATA.

QUALITY A CHECKED

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NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIAMI INTL ALTIMETER SETTING AND INCREASE LPV DA TO 235 FEET LNAV/VNAV DA TO 368 AND ALL MDA 40 FEET, INCREASE LNAV CATS C/D VISIBILITY 1/4 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MIAMI INTL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LUVLY ON BR49V SOUTHEAST BOUND.

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 10 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MIAMI, FL	AIRPORT NAME: KENDALL-TAMIAMI EXECUTIVE	RNAV	RNAV (GPS) RWY 27L, AMDT 2	AMDT: 1
				DATED: 10/22/2009

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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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTMB
RUNWAY	RW27L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	253837.2255N
LTP/FTP LONGITUDE	0802522.4640W
LTP/FTP ELLIPSOIDAL HEIGHT	-00225
FPAP LATITUDE	253833.0400N
FPAP LONGITUDE	0802700.9500W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
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	161E8AE9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00024
FPAP ORTHOMETRIC HEIGHT	+00024

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 10 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MIAMI, FL	AIRPORT NAME: KENDALL-TAMIAMI EXECUTIVE	RNAV	RNAV (GPS) RWY 27L, AMDT 2	AMDT: 1
				DATED: 10/22/2009

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:

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
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CACSA K70    W     N25391067W080115990                      W0061     NAR           CACSA
        SUSAEAENRT   HAXAM K70    W     N25380398W080381222                      W0059     NAR           HAXAM
        SUSAEAENRT   JINGI K70    W     N25384200W080232971                      W0060     NAR           JINGI
        SUSAEAENRT   LUVLY K70    C   L N25394461W080081967                      W0062     NAR           LUVLY
        SUSAEAENRT   ZAGUN K70    W     N25385424W080183797                      W0061     NAR           ZAGUN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMBK7ATMB     0     059YHN25385123W080255961W006000010         1800018000C    MNAR    KENDALL-TAMIAMI EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMBK7FR27L  ALUVLY 010LUVLYK7EA0E  A    IF                                                18000                A JS
        SUSAP KTMBK7FR27L  ALUVLY 020CACSAK7EA0EE B 010TF                     26640034    + 02000                             A JS
        SUSAP KTMBK7FR27L  R      010CACSAK7EA0E  I    IF                                + 02000     18000                   A JS
        SUSAP KTMBK7FR27L  R      020ZAGUNK7EA1E  F 051TF                     27340060    + 02000                  RW27L K7PGA JS
        SUSAP KTMBK7FR27L  R      020ZAGUNK7EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KTMBK7FR27L  R      021JINGIK7EA0E S  031TF                     27340044    V 0058000599        -300            A JS
        SUSAP KTMBK7FR27L  R      030RW27LK7PG0GY M 031TF                     27330017      00058             -300            A JS
        SUSAP KTMBK7FR27L  R      040         0  M     CA                     2733        + 00208                             A JS
        SUSAP KTMBK7FR27L  R      050HAXAMK7EA0EY      DF                                + 02000                             A JS
        SUSAP KTMBK7FR27L  R      060HAXAMK7EA0EE  L   HM                     09320040    + 02000                             A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMBK7GRW27L   0059992733 N25383723W080252246+0000    -0022500008000050150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMBK7PR27L  RW27L001 0000W27A0N2538372255W08025224640-002250300N2538330400W080270095001067509200005 00F400350161E8AE9
        SUSAP KTMBK7PR27L  RW27L002E      +00024+00024LPV       56400

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMBK7SRW27LK7PG                0   18018002925                                                                    M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 10 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MIAMI, FL	AIRPORT NAME: KENDALL-TAMIAMI EXECUTIVE	RNAV	RNAV (GPS) RWY 27L, AMDT 2	AMDT: 1
				DATED: 10/22/2009

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
	LUVLY	LUVLY	010	IAF	IF		FB					
	LUVLY	CACSA	020		TF		FB	1.0	266.4(260.4T)	003.4	AA 02000	
		CACSA	010	FACF	IF		FB				AA 02000	
		ZAGUN	020	FAF	TF		FB	0.5	273.4(267.4T)	006.0	AA 02000	
		JINGI	021	SDF	TF		FB	0.3	273.4(267.4T)	004.4	AA 00580 GS 00599	
		RW27L	030	MAP	TF		FO	0.3	273.3(267.3T)	001.7	AT 00058	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		273.3(267.3T)		AA 00208	
	HAXAM	050		DF		FO				AA 02000	
	HAXAM	060		HM	L	FO		093.2(087.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CACSA	N253910.67	W0801159.90	N2539.178	W08011.998
	HAXAM	N253803.98	W0803812.22	N2538.066	W08038.204
	JINGI	N253842.00	W0802329.71	N2538.700	W08023.495
	LUVLY	N253944.61	W0800819.67	N2539.744	W08008.328
	ZAGUN	N253854.24	W0801837.97	N2538.904	W08018.633
	RW27L	N253837.23	W0802522.46	N2538.621	W08025.374

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27L	00008	50

QUALITY CHECKED

CITY AND STATE	ELEVATION: 10 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MIAMI, FL	AIRPORT NAME: **KENDALL-TAMIAMI EXECUTIVE**	**RNAV**	**RNAV (GPS) RWY 27L, AMDT 2**	AMDT: **1**
				DATED: **10/22/2009**

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 STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	LUVLY	LUVLY	010	IAF	IF						
	LUVLY	CACSA	020	IF	TF		FB	1.0	266.4(260.4T)	003.4	02000
		CACSA	010	FACF	IF						02000
		ZAGUN	020	FAF	TF		FB	0.5	273.4(267.4T)	006.0	02000
		JINGI	021	SDF	TF		FB	0.3	273.4(267.4T)	004.4	0058000599
		RW27L	030	MAP	TF		FO	0.3	273.3(267.3T)	001.7	00058

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		040		CA				273.3(267.3T)		00208
	HAXAM	050		DF		FO				02000
	HAXAM	060		HM	L	FO		093.2(087.2T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CACSA	N253910.67	W0801159.90	N2539.178	W08011.998
	HAXAM	N253803.98	W0803812.22	N2538.066	W08038.204
	JINGI	N253842.00	W0802329.71	N2538.700	W08023.495
	LUVLY	N253944.61	W0800819.67	N2539.744	W08008.328
	ZAGUN	N253854.24	W0801837.97	N2538.904	W08018.633
	RW27L	N253837.23	W0802522.46	N2538.621	W08025.374

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27L	00008	50

QUALITY CHECKED

CITY AND STATE	ELEVATION: 10 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MIAMI, FL	AIRPORT NAME: KENDALL-TAMIAMI EXECUTIVE	RNAV	RNAV (GPS) RWY 27L, AMDT 2	AMDT: 1
				DATED: 10/22/2009

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:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	LUVLY	CACSA	1. TOWER (12-002777)	254018.00N/0800928.00W	325 (5D)	1000	AT675	2000
			2. TERRAIN	254230.00N/0800933.00W	10 (10)		AS1500	1500
INTERMEDIATE	CACSA	ZAGUN	3. AAO	253836.00N/0801821.00W	219 (2C)	500	AT1281	2000
			4. TERRAIN	253836.00N/0801821.00W	19 (0)		AS1500	1500
FINAL: LPV	ZAGUN	RW27L				ASC		208/200
FINAL: LNAV/VNAV	ZAGUN	RW27L	5. TOWER (12-003038)	253855.00N/0802535.00W	130 (5D)	PDA	AC50	341/333
FINAL: LNAV	ZAGUN	JINGI/1.70 NM TO RW27L	6. TOWER (12-002765)	253916.10N/0802258.00W	222 (2A)	250	RA27 XL5 DG76	580
FINAL: LNAV STEPDOWN	JINGI/1.70 NM TO RW27L	RW27L	7. TOWER (12-004721)	253858.84N/0802353.44W	158 (1A)	250		420
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW27L	HAXAM				ASC		2000
			8. TOWER (12-004269)	253736.00N/0803115.00W	234 (5D)	1000		1300
ELEV:	43/180/320		9. TERRAIN	253912.00N/0803145.00W	19 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	450	10. TOWER (12-005022)	253814.36N/0802546.43W	159 (1A)	300		460
CATEGORY B	1.5 NM	450	450	10. TOWER (12-005022)	253814.36N/0802546.43W	159 (1A)	300		460
CATEGORY C	1.7 NM	450	450	11. TWR (KTMBT0183)	253701.13N/0802453.05W	160 (2C)	300		460
CATEGORY D	2.3 NM	550	630	12. TOWER (12-002851)	253753.80N/0802307.40W	330 (2C)	300		640
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW27L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-003077)	208/ 06.7	1849 (4D)	2900					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 10 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MIAMI, FL	KENDALL-TAMIAMI EXECUTIVE	RNAV	RNAV (GPS) RWY 27L, AMDT 2	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
MIA APP CON TMB TOWER	N W S	OTHER: ASOS	SOURCE: KTMB / KMIA
	F A A		DISTANCE: 0 / 11.62
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION: 24 / 24
X V H F X U H F H F	LOCATION: KTMB		ADJUSTMENT: 0 / 27

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, 31 (PCL), 13 (PCL), 27R
	X	REIL 13
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4R 09R PAPI-2L 27R PAPI-4L 09L, 13, 27L
6. RUNWAY MARKINGS	BASIC	BSC-G 31, 13
	ALL WEATHER	PIR-G 27L, 09R
	INSTRUMENT	NPI-G 09L, 27R
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 7.9
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 50.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

QUALITY CHECKED

PART D - PREPARED BY: STEVE BRUMMETT	DATE: 02/23/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AVN-110

PART C - REMARKS:

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KTMB ASOS IS ON SERVICE A
KMIA ASOS IS ON SERVICE A

RASS PRESSURE PATTERNS SAME
KTMB 8, KMIA 8
RA = 26.76.
SEE ATTACHED AIRSPACE LETTER.

TAA, HOLD-IN-LIEU AND FEEDERS NOT DEVELOPED PER ATC

TERPS VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:

20:1
RWY 13: 10 GROUND (KTMB0033 GROUND)
253903.35N-0802628.64W (1.55)
FPO NOTIFIED

34:1 PENETRATION:
RWY 27L: 84 TREE (KTMB00009) 253843.74N-0802454.18W (5.08)
FPO NOTIFIED

LPV SLOPE: 34:1
LNAV/VNAV: 23.4:1

ISA DEVIATION: -30

VGSI DATA: 3.00/52.5

VISIBILITY BELOW 3/4 MILE NA DUE TO 34:1 PENETRATORS.

RADIO FIX AND HOLDING DATA RECORD

NAME: CACSA **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 253910.67N/0801159.90W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 27L			KTMB	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/30/2011

REASON FOR REVISION:
ADDED HOLDING TYPE OF ACTION.

DEVELOPED BY: **DATE:** 02/25/2011 **OFFICE:** AVN-110 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON/TMB ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HAXAM **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 253803.98N/0803812.22W **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	273.23	093.23	L		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	253738.58N/0803841.78W	219	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER A-291D.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 27L		1	KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R		1	KTMB	MIAMI	FL (US)
STAR	CURSO RNAV			KTMB	MIAMI	FL (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 06/30/2011

REASON FOR REVISION:
UPDATED HOLDING PATTERN.
MOVED FIX 1122.04 FEET WEST.

DEVELOPED BY: **DATE:** 01/28/2011 **OFFICE:** AVN-110 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON/TMB ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAGUN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 253854.24N/0801837.97W **TYPE:** WP

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

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

REMARKS:
RNP PFAF FORMULA USED TO ESTABLISH COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 27L			KTMB	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 06/30/2011

REASON FOR REVISION:
FIX MOVED 608.29' EAST TO NEW PFAF LOCATION.

DEVELOPED BY: **DATE:** 01/27/2011 **OFFICE:** AVN-110 **NAME:** STEVE BRUMMETT

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON/TMB ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JINGI **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 253842.00N/0802329.71W **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 27L			KTMB	MIAMI	FL (US)

REQUIRED CHARTING: IAP

INFO ONLY

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/04/2009

DEVELOPED BY: **DATE:** 05/04/2009 **OFFICE:** AVN-110 **NAME:** PETER GETZ (RONALD SALPINO)

NFPO APPROVAL: **DATE:** 09/10/2009 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA APP CON, TMB ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUVLY **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 253944.61N/0800819.67W **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	DOLPHIN	DHP	VORTAC	H	129.80	125.80	14.05	14.05		2000	17500
2	VIRGINIA KEY	VKZ	VOR/DME	H	175.00	171.00		5.42		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	SE	DHP	VORTAC	129.80	309.80	R	1		2000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002777)	254018.00N/0800928.00W	325	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PERCIPITOUS TERRAIN EVALUATION COMPLETED; PAT 1 NO ADJUSTMENT.

INFO ONLY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	BR 49V					FL (US)
IAP	ILS OR LOC RWY 9R	1, 2	1	KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 27L			KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 27R			KTMB	MIAMI	FL (US)
STAR	FLIPR			KMIA	MIAMI	FL (US)
STAR	FOWEE	1, 2		KMIA	MIAMI	FL (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 04/29/2009

REASON FOR REVISION:
UPDATED FIX USE.
REMOVED FAC 3.
HOLDING PATTERN EVALUATED FOR PRECIPITOUS TERRAIN.
REMOVED PATTERN 2.

DEVELOPED BY: **DATE:** 04/29/2009 **OFFICE:** AVN-110 **NAME:** PETER GETZ (RONALD SALPINO)

NFPO APPROVAL: **DATE:** 09/10/2009 **OFFICE:** AVN-110 **NAME:** PETER GETZ

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA ATCT, MIA APP CON
OTHER:

QUALITY CHECKED 3

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **MIAMI** STATE: **FL**

AIRPORT NAME: **KENDALL-TAMIAMI** ID: **KTMB**

PROCEDURE: **RNAV (GPS) RWY 27L** AMDT: **1A**

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 **2.96**
   (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 **267.37**
4. High Terrain in **FINAL** segment containing 1000' point **17**
5. Distance from **THLD** to 1500' point **5.10**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.20**
7. True Course of **FINAL** segment containing 1500' point **267.37**
8. High Terrain in **FINAL** segment containing 1500' point **17**
9. Threshold Coordinates (if straight-in) ... **253837.23N** / **0802522.46W**
10. ARP Coordinates ..... **253852.40N** / **0802557.90W**
11. Runway Approach End and distance furthest from ARP.....RWY **27L**
    Distance **0.59** NM
12. FAF Coordinates ..... **253854.24N** / **0801837.97W**
    (Click to Select)

REMARKS: Approach/Drawing attached.