

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														MISSED APPROACH									
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW28L CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4000 DIRECT GEGEY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD E, LT, 259.83 INBOUND. CHART FAS OBST: 250 SHIP 260355N/0800423W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.15 NM TO RW28L* *LNAV ONLY. WAAS CHANNEL # 58336 REFERENCE PATH ID: W28B CHART CIRCLING ICON. LTP HAE: -5.8 M										
FLL VOR/DME				WIKIR (TF) (FO) (RNP 1.00)			098.53 / 12.67				2500												
ZADIL (IAF)				WIKIR (NOPT) (TF) (FB) (RNP 1.00)			276.51 / 5.47				2500												
WIKIR (IF/IAF)				YOBUS (TF) (FB) (RNP 1.00)			276.47 / 5.00				2000												
YOBUS (FAF)				RW28L (MAP) (TF) (FO) (RNP 0.30)			276.43 / 5.91																
RW28L (MAP)				1000 MSL (CA)			276.43				4000												
1000 MSL				GEGEY (DF) (FO) (RNP 1.00)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																							
2. HOLD E WIKIR, RT, 276.47 INBOUND, 2500 FT. IN LIEU OF PT (IAF)																							
3. FAC: 276.43 FAF: YOBUS DIST FAF TO MAP: 5.91 THLD: 5.91																							
4. MIN. ALT: WIKIR 2500, YOBUS 2000																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: 2000 GS ALT AT: YOBUS 2000 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 53.4 34:1 IS CLEAR																							
8. MSA FROM: RW28L 2100																							
MAG VAR: 6W 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	265	4000	200	265	4000	200	265	4000	200	265	4000	200											
LNAV/VNAV DA	343	4000	278	343	4000	278	343	4000	278	343	4000	278											
LNAV MDA	500	4000	435	500	4000	435	500	5000	435	500	5000	435											
CIRCLING	680	1	615	680	1	615	800	2	735	800	2 1/4	735											
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 6C (43F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. (CONTINUED ON PAGE 2)																							
CITY AND STATE FORT LAUDERDALE, FL				ELEVATION: 65 TDZE: 65 AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28L, AMDT 1				SUP: AMDT: DATED 06/25/2015									

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div><input checked="" type="checkbox"/> ZMA, MIA APP CON, FLL ATCT, AMGR</div>					
FLIGHT CHECKED BY					
NAME: JEFFREY ALAN ECKMAN		Digitally signed by DONALD H LANIER		FIFO FIOG	DATE: 12/07/2016
DEVELOPED BY					
NAME: LIAM DONAHUE		Digitally signed by LIAM DONAHUE		FIFO AJV-5412	DATE: 08/15/2016
APPROVED BY					
NAME: MARLON J. ROBINSON		Digitally signed by DONALD H LANIER		FIFO AJV-5410	DATE:
MANAGER					
CHANGES:					
Jan 12, 2017					
1. CHANGED INOP ALS NOTE FROM: INOPERATIVE MALSF, INCREASE LNAV/VNAV CAT D VISIBILITY TO RVR 6000 AND LNAV CAT D VISIBILITY TO RVR 5000. TO: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CAT D VISIBILITY TO 1 1/4 SM. 2. ADDED VGSI NOT COINCIDENT NOTE. 3. CHANGED DIRECTION OF HOLD-IN-LIEU FROM LEFT TURNS TO RIGHT TURNS. 4. CHANGED VDP TO RWY DISTANCE FROM 1.19 TO 1.15. 5. CHANGED LPV DA FROM 316/HAT 250 TO 265/HAT 200. 6. CHANGED LNAV/VNAV DA FROM 333/HAT 268 TO 343/HAT 278. 7. CHANGED CAT A/B CIRCLING MDAS FROM 540/HAA 475 AND 600/HAA 535 TO 680/HAA 615. 8. CHANGED CAT C/D CIRCLING MINIMUMS FROM 760-2 AND 760-2 1/4 TO 800-2 1/4 AND 800-2 1/2. 9. CHANGED (GPS) Y RWY 28R. TO: SIMULTANEOUS APPROACH AUTHORIZED. 10. ADDED NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.					
REASONS:					
1, 2. P-NOTAM 5/2083. 3. ATC REQUEST. 4. NEW IPDS CALCULATIONS. 5. LPV FINAL CONTROLLING OBSTACLE REMOVED. 6. NEW FINAL CONTROLLING OBSTACLE. 7. NEW CONTROLLING OBSTACLE. 8. NEW 499 BLDG OEAA 2015-ASO-13440-OE. 9. 8260.19G CHAPTER 8. 10. 8260.3B CHAPTER 3.					
01/09/17: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/15/16. 1. CHANGED FAS DATA COURSE WIDTH AT THLD FROM 143.75 TO 106.75. 2. CHANGED FAS DATA VETICAL ALARM LIMIT FROM 50 TO 35. 3. CHANGED FAS DATA CRC REMAINDER FROM B236A28B TO 517564B9. (SEE FORM 8260-10)					



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.

NOTES, (CONT.):

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FLL VOR/DME AIRWAY RADIALS 013 CW 121.

CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CAT D VISIBILITY TO 1 1/4 SM.

CHART PLANVIEW NOTE ADJACENT TO ZADIL IAF: RADAR REQUIRED.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.

CITY AND STATE

FORT LAUDERDALE, FL

ELEVATION: 65

TDZE: 65

AIRPORT NAME:

FORT LAUDERDALE/HOLLYWOOD INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28L, AMDT 1

SUP:

AMDT: **ORIG-A**

DATED: **06/25/2015**

QUALITY
4

CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>
OTHER (specify) <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					
REASONS CONT. 4. ADDED TF AND RNP VALUES TO TERMINAL ROUTES. 5. CATEGORY D CIRCLING VISIBILITY CHANGED FROM 2 1/2 TO 2 1/4. 6. CATEGORY C CIRCLING VISIBILITY CHANGED FROM 2 1/4 TO 2.					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFLL
RUNWAY	RW28L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28B
LTP/FTP LATITUDE	260356.6720N
LTP/FTP LONGITUDE	0800802.3430W
LTP/FTP ELLIPSOIDAL HEIGHT	-00058
FPAP LATITUDE	260357.2565N
FPAP LONGITUDE	0800941.2875W
THRESHOLD CROSSING HEIGHT (TCH)	00053.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 517564B9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00198
FPAP ORTHOMETRIC HEIGHT	+00198

CITY AND STATE
FORT LAUDERDALE, FL

ELEVATION: 65 TDZE: 65
AIRPORT NAME:
FORT LAUDERDALE/HOLLYWOOD INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28L, AMDT 1

SUP: **QUALITY
4
CHECKED**
AMDT: **ORIG-A**
DATED: **06/25/2015**

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
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.			
FEEDER		FLL VOR/DME		WIKIR		1. STCK (KFLLT006142)		260508.94N/0800731.36W		364 (1B)		1000		AT1136		2500			
						2. TERRAIN		260330.00N/0795600.00W		0 (0)				AS1500		1500			
INITIAL		ZADIL		WIKIR		3. SHIP		260349.36N/0795251.00W		250 (2C)		1000		AT1250		2500			
						4. TERRAIN		260349.36N/0795251.00W		0 (0)				AS1500		1500			
INTERMEDIATE		WIKIR (IF/IAF)		YOBUS		5. SHIP		260353.98N/0800015.15W		250 (2C)		500		AT1250		2000			
						6. TERRAIN		260353.98N/0800015.15W		0 (0)				AS1500		1500			
FINAL: LPV		YOBUS		RW28L								ASC				265/200			
FINAL: LNAV/VNAV		YOBUS		RW28L		7. POWER		260341.41N/0800731.61W		172 (1B)		161		AC10		343/278			
						PYLON (KFLLT005766)													
FINAL: LNAV		YOBUS		RW28L		8. SHIP		260355.27N/0800422.82W		250 (2C)		250				500			
2. HOLD-IN-LIEU-OF-PT		WIKIR		P-5		3. SHIP		260349.36N/0795251.00W		250 (2C)		1000		AT1250		2500			
						4. TERRAIN		260349.36N/0795251.00W		0 (0)				AS1500		1500			
3. MISSED APPROACH	MAP:		DA / DA / RW28L		GEGEY						ASC				4000				
	ELEV:		98/182/400				9. TOWER (12-002983)		260356.00N/0802018.00W		323		1000		1400				
						10. TERRAIN		260615.00N/0801309.00W		17 (0)				AS1500		1500			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	615	1. STCK (KFLLT006142)	260508.94N/0800731.36W	364 (1B)	300		680						
CATEGORY B		1.5 NM			450		615	1. STCK (KFLLT006142)	260508.94N/0800731.36W	364 (1B)	300		680						
CATEGORY C		1.7 NM			450		735	11. BLDG	260707.28N/0800831.19W	499 (1A)	300		800						
CATEGORY D		2.3 NM			550		735	11. BLDG	260707.28N/0800831.19W	499 (1A)	300		800						
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES																			
PRIMARY NAVAID: RW28L																			
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
360-360		TOWER (12-		213/07.7		1049 (1D)		2100											
CITY AND STATE				ELEVATION: 65				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION 4			
FORT LAUDERDALE, FL				AIRPORT NAME: FORT LAUDERDALE/HOLLYWOOD INTL				RNAV				RNAV (GPS) RWY 28L, AMDT 1				CHECKED			

PART B - SUPPLEMENTAL DATA										<div>PART C - REMARKS:</div> <div>PRECIPITOUS TERRAIN EVALUATION COMPLETED.</div> <div>DUE TO AN IPDS SOFTWARE PROBLEM, THE MISSED APPROACH WAS EVALUATED USING IAPA.</div> <div>OBSTACLE #11 AC IS DERIVED FROM OEAAA CASE STUDY 2015-ASO-13440-OE.</div> <div>CRITICAL TEMPERATURES: CRITICAL LOW :+6C (+43F) CRITICAL HIGH :+54C (+130F) ACT :+6C APT ISA :+14.87C</div> <div>CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2011-2015). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1114.</div> <div>ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.71NM</div> <div>NO ADDITIONAL AIRSPACE REQUIRED.</div> <div>KFFL ON SERVICE-A/24 HRS.</div> <div>TREES ASSUMED TO BE 100 FT PER FPT.</div> <div>INTERMEDIATE OBSTACLE IS THE SAME FOR LPV, LNAV/VNAV, AND LNAV.</div> <div>REDUNDANT WEATHER AVAILABLE.</div> <div>LPV SLOPE: 34:1 LNAV/VNAV SLOPE: 21.43:1</div> <div>VGSI DATA:3.00/68.5.</div>																													
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																															
MIA APP CON FLL TOWER MIA TRACON						N W S		OTHER: ASOS												SOURCE:KFL																			
						F A A														DISTANCE:																			
						A / C														HOURS REMOTE OPERATION:																			
SATISFACTORY ON:																				LOCATION: KFL										ADJUSTMENT: 0									
4. MONITOR STATUS		PRIMARY NAVAID:																																					
		MONITOR POINT:																																					
		HRS OPTN:		CAT 1																																			
				CAT 3																																			
5. APPROACH & RUNWAY LIGHTING				ALS																																			
				(S) SALS																																			
		X		MALSF 10R, 28L MALSR 10L, 28R																																			
		X		HIRL 10L, 10R, 28L, 28R																																			
				MIRL																																			
				REIL																																			
				TDZ																																			
				C/LINE																																			
		X		OTHER (SPECIFY) PAPI-4R 10R PAPI-4L 10L, 28L, 28R																																			
6. RUNWAY MARKINGS		BASIC																																					
		ALL WEATHER PIR-G 10L, 10R, 28L, 28R																																					
		INSTRUMENT																																					
7. RUNWAY VISUAL RANGE		APPROACH 10L, 10R, 28L, 28R																																					
		MIDFIELD																																					
		ROLL OUT 10R, 28L																																					
8. GLIDE PATH		GP ANGLE: 3.00								ELEV RWY THRESHOLD:64.9																													
		DISTANCE FROM RWY:								ELEV GP ANTENNA:																													
										THRESHOLD CROSSING HEIGHT:53.4																													
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD														FT. FROM THRESHOLD																			
				X		ON CENTERLINE														FT. FROM CENTERLINE																			
10. WAIVERS: NONE																																							
PART D - PREPARED BY: LIAM DONAHUE												DATE: 08/15/2016																											
TITLE: AERONAUTICAL INFORMATION SPECIALIST												OFFICE: AJV-5412																											

