

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.  
Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
FORT LAUDERDALE	FOUR	FLL4.FLL	THREE	05/02/2013	17 OCT 2013

**TYPE:** SID

**DP ROUTE DESCRIPTION:**

**KFLL:**

**TAKEOFF RWY 10L:** CLIMB ON ASSIGNED HEADING. IF ASSIGNED LEFT TURN, CLIMB TO 500 BEFORE TURNING LEFT. THENCE...

**TAKEOFF RWY 28R:** CLIMB ON ASSIGNED HEADING. IF ASSIGNED LEFT TURN, CLIMB TO 500 BEFORE TURNING LEFT. THENCE...

...MAINTAIN 3000 OR ASSIGNED LOWER ALTITUDE AND EXPECT RADAR VECTORS TO APPROPRIATE TRANSITION. EXPECT FURTHER CLEARANCE TO FILED ALTITUDE TEN (10) MINUTES AFTER DEPARTURE.

**KFXE:**

**TAKEOFF RWY 8, 13, 31:** CLIMB ON ASSIGNED HEADING. THENCE...

**TAKEOFF RWY 26:** CLIMB HEADING 266.79 TO 600 BEFORE TURNING LEFT. CLIMB ON ASSIGNED HEADING, THENCE...

...MAINTAIN 2000 OR ASSIGNED HIGHER ALTITUDE AND EXPECT RADAR VECTORS TO APPROPRIATE TRANSITION. EXPECT FURTHER CLEARANCE TO FILED ALTITUDE TEN (10) MINUTES AFTER DEPARTURE.

**KPMP:**

**TAKEOFF RWY 6, 10, 24, 28, 33:** CLIMB ON ASSIGNED HEADING. THENCE...

**TAKEOFF RWY 15:** CLIMB HEADING 145.66 TO 500, THEN CLIMB ON ASSIGNED HEADING, THENCE...

...MAINTAIN 2000 OR HIGHER ASSIGNED ALTITUDE AND EXPECT RADAR VECTORS TO APPROPRIATE TRANSITION. EXPECT FURTHER CLEARANCE TO FILED ALTITUDE TEN (10) MINUTES AFTER DEPARTURE.

**TRANSITION ROUTE DESCRIPTION:**

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<b>DP Name</b> FORT LAUDERDALE	<b>Number</b> FOUR	<b>DP Computer Code</b> FLL4.FLL	<b>Superseded Number</b> THREE	<b>Dated</b> 05/02/2013	<b>Effective Date</b> 17 OCT 2013
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**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
THNDR	FLL4.THNDR	DHP VORTAC	THNDR INT	334.68 (DHP R-335)	56.83	3000	1400	
ARKES	FLL4.ARKES	VKZ VOR/DME	ARKES INT	348.00 (VKZ R-348)	51.37	2100		
ZAPPA	FLL4.ZAPPA	DHP VORTAC	PRED A INT	057.39 (DHP R-057)	56.22	6000	2100	
		PRED A INT	ZAPPA INT	057.39 (DHP R-057)	27.59	10000	2000	
PRED A	FLL4.PRED A	DHP VORTAC	PRED A INT	057.39 (DHP R-057)	56.22	6000	2100	
BEECH	FLL4.BEECH	FLL VOR/DME	BEECH INT	103.79 (FLL R-104)	42.69	11000	2000	
MNATE	FLL4.MNATE	DHP VORTAC	MNATE/ DHP 50.00 DME	195.00 (DHP R-195)	50.00	3000		

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**NOTE:** DME AND RADAR REQUIRED.

**NOTE:** IF FILED ON BR70V, EXPECT RADAR VECTORS TO FILED ROUTE AFTER PRED A. IF RADIO CONTACT IS NOT ESTABLISHED BY PRED A, TURN RIGHT HEADING 120 AND JOIN FILED ROUTE.

**TAKEOFF MINIMUMS:**

**KFLL - RWY 10L, 28R, STANDARD. RWY 10R, 28L, NA - ATC.**

**KFXE - RWY 8, 13, 26, 31, STANDARD.**

**KPMP - RWY 6, 24, 28, 33, STANDARD. RWY 10, 300-1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 261 FT PER NM TO 300. RWY 15, 400-2 OR STANDARD WITH A MINIMUM CLIMB OF 441 FT PER NM TO 500.**



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FORT LAUDERDALE	FOUR	FLL4:FLL	THREE	05/02/2013	17 OCT 2013

**TAKEOFF OBSTACLES NOTES:**

**KFLL:**

**NOTE: RWY 10L,** APPROACH LIGHT 296 FT FROM DER, ON CENTERLINE, 11 FT AGL/15 FT MSL. BUILDING 469 FT FROM DER, 378 FT LEFT OF CENTERLINE, 13 FT AGL/18 FT MSL. LIGHTS BEGINNING 496 FT FROM DER, FROM 28 FT LEFT TO 27 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/20 FT MSL. TRAIN ON RAILROAD BEGINNING 510 FT FROM DER, FROM 632 FT LEFT TO ON CENTERLINE, 23 FT AGL/30 FT MSL. LIGHT POLES BEGINNING 666 FT FROM DER, ON CENTERLINE, UP TO 32 FT AGL/36 FT MSL. POLES AND TREES BEGINNING 1290 FT FROM DER, FROM 548 FT LEFT TO 633 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/53 FT MSL. TREES AND POLE BEGINNING 1975 FT FROM DER, FROM 827 FT LEFT TO 271 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/83 FT MSL. BRIDGE 2429 FT FROM DER, 1123 FT LEFT OF CENTERLINE, 65 FT AGL/70 FT MSL.

**NOTE: RWY 28R,** BUILDING AND LIGHT POLE BEGINNING 260 FT FROM DER, 253 FT LEFT OF CENTERLINE AND ON CENTERLINE, UP TO 14 FT AGL/18 FT MSL. VEHICLES ON ROAD BEGINNING 323 FT FROM DER, FROM 28 FT LEFT TO 281 FT RIGHT OF CENTERLINE, 15 FT AGL/21 FT MSL. APPROACH LIGHTS BEGINNING 441 FT FROM DER, FROM 28 FT LEFT TO 27 FT RIGHT OF CENTERLINE, UP TO 16 FT AGL/25 FT MSL. VEHICLES ON ROAD BEGINNING 455 FT FROM DER, FROM 683 FT LEFT TO 685 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/34 FT MSL. APPROACH LIGHTS BEGINNING 652 FT FROM DER, ON CENTERLINE, UP TO 24 FT AGL/33 FT MSL. TRAIN ON RAILROAD BEGINNING 849 FT FROM DER, FROM 683 FT LEFT TO 379 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/34 FT MSL. TREES AND SIGN BEGINNING 1017 FT FROM DER, 122 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/72 FT MSL. TREES BEGINNING 2231 FT FROM DER, 354 FT LEFT OF CENTERLINE, UP TO 88 FT AGL/97 FT MSL. TREES BEGINNING 3347 FT FROM DER, 530 FT RIGHT OF CENTERLINE, UP TO 108 FT AGL/112 FT MSL.

**KFXE:**

**NOTE: RWY 8,** BUILDING 833 FROM DER, 720 FT LEFT OF CENTERLINE, 40 FT AGL/51 FT MSL. TREE 1903 FT FROM DER, 483 FT RIGHT OF CENTERLINE, 85 FT AGL/89 FT MSL. BUILDING 4129 FT FROM DER, 40 FT RIGHT OF CENTERLINE, 122 FT AGL/129 FT MSL. BUILDING 4720 FT FROM DER, 78 FT RIGHT OF CENTERLINE, 150 FT AGL/159 FT MSL.

**NOTE: RWY 13,** BUILDINGS BEGINNING 2 FT FROM DER, 465 FT LEFT AND 303 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/42 FT MSL. TREES, POLES, AND BUILDINGS BEGINNING 451 FT FROM DER, FROM 290 FT LEFT AND 167 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/54 FT MSL. TREES BEGINNING 1975 FT FROM DER, 257 FT RIGHT OF CENTERLINE, UP TO 92 FT AGL/101 FT MSL. TOWER 5130 FT FROM DER, 1825 FT RIGHT OF CENTERLINE, 139 FT AGL/147 FT MSL.

**NOTE: RWY 26,** TREES BEGINNING 2040 FT FROM DER, 255 FT LEFT OF CENTERLINE, UP TO 107 FT AGL/116 FT MSL.

**NOTE: RWY 31,** TREES AND POLE BEGINNING 703 FT FROM DER, 262 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/81 FT MSL. BUILDING 1288 FROM DER, 289 FT LEFT OF CENTERLINE, 43 FT AGL/53 FT MSL.

**KPMP:**

**NOTE: RWY 6,** TREES BEGINNING 101 FT FROM DER, 26 FT LEFT AND 232 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/84 FT MSL.

**NOTE: RWY 10,** POLE 154 FT FROM DER, 131 FT LEFT OF CENTERLINE, 9 FT AGL/18 FT MSL. TREES, POLE, AND BUILDING BEGINNING 427 FT FROM DER, 12 FT LEFT AND 343 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/63 FT MSL. POLES AND BUILDING BEGINNING 1264 FT FROM DER, 166 FT LEFT AND 286 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/72 FT MSL. BUILDING 5670 FT FROM DER, 604 FT RIGHT OF CENTERLINE, 186 FT AGL/190 FT MSL. BUILDINGS 1.0 NM FROM DER, 887 FT LEFT OF CENTERLINE, UP TO 201 FT AGL/210 FT MSL.

**NOTE: RWY 15,** BUILDING, TREES, AND POLES BEGINNING 502 FT FROM DER, 306 FT LEFT AND 434 FT RIGHT OF CENTERLINE, 44 FT AGL/54 FT MSL. TREES BEGINNING 1229 FT FROM DER, 152 FT LEFT AND 190 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/62 FT MSL. BUILDING 5994 FT FROM DER, 1491 FT LEFT OF CENTERLINE, 213 FT AGL/221 FT MSL. BUILDING 1.1 NM FROM DER, 1259 FT LEFT OF CENTERLINE, 300 FT AGL/310 FT MSL. BUILDING 1.7 NM FROM DER, 1385 FT RIGHT OF CENTERLINE, 255 FT AGL/265 FT MSL.

**NOTE: RWY 24,** TREES BEGINNING 190 FT FROM DER, 304 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/49 FT MSL. TREES BEGINNING 423 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/66 FT MSL. TANKS, BUILDING, TREE, AND POLE BEGINNING 630 FT FROM DER, 23 FT RIGHT OF CENTERLINE, 60 FT AGL/80 FT MSL. TREES BEGINNING 2179 FT FROM DER, 253 FT LEFT OF CENTERLINE, UP TO 91 FT AGL/110 FT MSL.

**NOTE: RWY 28,** TREES BEGINNING 358 FT FROM DER, 255 FT LEFT OF CENTERLINE UP TO 25 FT AGL/44 FT MSL. POLES, BUILDING, TREES, AND TANK BEGINNING 722 FT FROM DER, 33 FT LEFT AND 238 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/64 FT MSL.

**NOTE: RWY 33,** TREES AND BUILDING BEGINNING 135 FT FROM DER, 378 FT LEFT OF CENTERLINE AND 458 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/56 FT MSL. TREES BEGINNING 799 FT FROM DER, 157 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/78 FT MSL.

**CONTROLLING OBSTACLES:**

**KFLL - RWY 10L:** 365 FT MSL STACK 260508.97N/0800730.02W. **RWY 28R:** 1049 FT MSL TOWER 255935.28N/0801026.00W.

**KFXE - RWY 26:** 409 MSL TOWER 261047.00N/0801315.00W.

**KPMP - RWY 10:** 210 FT MSL BUILDING 261441.53N/0800513.98W. **RWY 15:** 310 FT MSL BUILDING 261351.00N/0800526.00W, 265 MSL BUILDING 261309.00N/0800527.00W.

QUALITY  
4  
CHECKED

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**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

CHART: V3, DHP - MNATE; V157-511-599, DHP - THNDR; V159, VKZ - ARKES; AR10, DHP - ZAPPA.

**AIRPORTS SERVED:**

FORT LAUDERDALE/HOLLYWOOD INTL, FORT LAUDERDALE, FL  
POMPANO BEACH AIRPARK, POMPANO BEACH, FL

FORT LAUDERDALE EXECUTIVE, FORT LAUDERDALE, FL

**COMMUNICATIONS:**

KFLL: ATIS, GND CON, TOWER. KFXE: ATIS, GND CON, TOWER. KPMP: ATIS, GND CON, CTAF.

**FIXES AND/OR NAVAIDS:**

PBI VORTAC, RSW VORTAC, ZBV VORTAC, TURBO INT.