

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HROCK	TWO	HROCK2.HROCK	ONE	05/19/2022	20 Apr 2023

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

FORT LAUDERDALE/HOLLYWOOD INTL:

TAKEOFF RWY 10L: CLIMB ON HEADING 096.36 TO INTERCEPT COURSE 075.00 TO LLBOW, THEN ON TRACK 026.07 TO CROSS ROOM AT OR ABOVE 4000, THEN ON TRACK 346.76 TO YOLOO, THEN ON TRACK 297.58 TO LRICK, THEN ON TRACK 292.48 TO JOENZ, THENCE...

TAKEOFF RWY 10R: CLIMB ON HEADING 096.37 TO INTERCEPT COURSE 065.00 TO LLBOW, THEN ON TRACK 026.07 TO CROSS ROOM AT OR ABOVE 4000, THEN ON TRACK 346.76 TO YOLOO, THEN ON TRACK 297.58 TO LRICK, THEN ON TRACK 292.48 TO JOENZ, THENCE...

TAKEOFF RWY 28L: CLIMB ON HEADING 276.38 TO 580, THEN DIRECT TIDEZ, THEN ON TRACK 274.97 TO DUSKE, THEN ON TRACK 319.00 TO KBUNK, THEN ON TRACK 317.09 TO JOENZ, THENCE...

TAKEOFF RWY 28R: CLIMB ON HEADING 276.37 TO 580, THEN DIRECT SEAZZ, THEN ON TRACK 274.97 TO HEPAD, THEN ON TRACK 318.18 TO KBUNK, THEN ON TRACK 317.09 TO JOENZ, THENCE...

...ON TRACK 318.61 TO HROCK, THEN ON ASSIGNED TRANSITION. MAINTAIN 4000, EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

FORT LAUDERDALE EXEC:

TAKEOFF RWY 9: CLIMB ON HEADING 090.78 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 13: CLIMB ON HEADING 135.80 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 27: CLIMB ON HEADING 270.79 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 315.80 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

POMPANO BEACH AIRPARK:

TAKEOFF RWY 6: CLIMB ON HEADING 059.66 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 10: CLIMB ON HEADING 104.64 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 15: CLIMB ON HEADING 149.65 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 24: CLIMB ON HEADING 239.66 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 28: CLIMB ON HEADING 284.64 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

TAKEOFF RWY 33: CLIMB ON HEADING 329.65 OR AS ASSIGNED FOR RADAR VECTORS TO CROSS JOENZ, THENCE...

...ON TRACK 318.61 TO HROCK, THEN ON ASSIGNED TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
KPASA	HROCK2.KPASA	HROCK	BLAAK	TRACK 326.78	41.46	6000	1500	
		BLAAK	PYROS	TRACK 336.43	20.17	6000	1600	
		PYROS	KPASA	TRACK 343.90	54.20	6000	1700	
SMELZ	HROCK2.SMELZ	HROCK	THEUU	TRACK 318.57	48.10	6000	1400	
		THEUU	GNARL	TRACK 333.19	29.16	6000	1600	
		GNARL	SMELZ	TRACK 342.55	40.67	6000	1700	



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PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY.

NOTE: ACCELERATE TO 250K, IF UNABLE, ADVISE ATC.

PBN REQUIREMENTS NOTES:

RNAV 1-DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

TAKEOFF MINIMUMS:**FORT LAUDERDALE/HOLLYWOOD INTL:**

RWY 10L, 10R, 28L, 28R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 580.

FORT LAUDERDALE EXEC:

RWY 9, 13, 31: STANDARD.

RWY 27: STANDARD WITH MINIMUM CLIMB OF 227 FT PER NM TO 600.

POMPANO BEACH AIRPARK:

RWY 6, 24, 28, 33: STANDARD.

RWY 10: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 265 FT PER NM TO 300.

RWY 15: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 425 FT PER NM TO 500.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:**FORT LAUDERDALE EXEC:**

RWY 27: 411 FT MSL TOWER 261047.32N/0801314.71W.

POMPANO BEACH AIRPARK:

RWY 10: 213 FT MSL BUILDING 261438.31N/0800513.80W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING), 174 FT MSL BUILDING 261449.54N/0800511.19W (VISIBILITY).

RWY 15: 308 FT MSL BUILDING 261351.00N/0800526.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING), 265 FT MSL BUILDING 261309.79N/0800527.07W (VISIBILITY).

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

FORT LAUDERDALE/HOLLYWOOD INTL - CHART: TOP ALTITUDE: 4000.

FORT LAUDERDALE EXEC/POMPANO BEACH AIRPARK - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHART: MINIMUM CROSSING ALTITUDE AT ROOOM - AT OR ABOVE 4000.

DME/DME ASSESSMENT: SAT RNP (2.0).

AIRPORT MV: FLL (P) 6W/2015, FXE 7W/2015, PMP 7W/2015.



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HROCK	TWO	HROCK2.HROCK	ONE	05/19/2022	20 Apr 2023

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KFLL	FORT LAUDERDALE	FL
KFXE	FORT LAUDERDALE	FL
KPMP	POMPANO BEACH	FL

COMMUNICATIONS:

KFLL: CHART: ATIS, CLNC DEL, GND CON, ATCT.
 KFXE: CHART: ATIS, CLNC DEL, GND CON, ATCT.
 KPMP: CHART: ATIS, CLNC DEL, GND CON, ATCT.

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT.
 FORT LAUDERDALE/HOLLYWOOD INTL ONLY - CHART NOTE: SEE ADDITIONAL REQUIRMENTS ON AAUP.
 ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION).
 REQUIREMENTS WORKSHEET AND NOISE SCREENING HAVE BEEN ACCOMPLISHED.
 TAKEOFF MINIMUMS AND CONTROLLING OBSTACLES FOR MIA AND FLL STANDARDIZED TO MATCH OTHER FL METROPLEX SIDS.
 250 MSL SHIPS USED IN OPEN WATER PER FPT.

FLIGHT INSPECTED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT, GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by
ALLAN WILL
 Nov 29, 2022

OFFICE **DATE**

DEVELOPED BY

MICHAEL R. GARRITY JR. **MICHAEL GARRITY**
 Nov 01, 2022

Digitally signed by
OFFICE **DATE**

AJV-A423 10/14/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by
ALLAN WILL
 Nov 29, 2022

OFFICE **DATE** **TITLE**

AJV-A420 MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMA, FLL ATCT, FXE ATCT, PMP ATCT, FLL DEP CON, EASTERN FPT.

CHANGES - REASONS:

1. TRANSITION ROUTES: UPDATED TRANSITION COMPUTER CODES NUMBER TO REFLECT CURRENT AMENDMENT - REQUIRED DOCUMENTATION PER FAAO 8260.46H, PARA 3-1-5C CRITERIA.
2. TAKEOFF MINIMUMS: CHANGED POMPANO BEACH AIRPARK RWY 10 CLIMB-TO ALTITUDE FROM 280 TO 300 AND RWY 15 CLIMB-TO ALTITUDE FROM 470 TO 500 - CLIMB-TO ALTITUDES BASED ON OBSTACLE CLEARANCE ARE ROUNDED TO NEXT HIGHEST 100 FOOT INCREMENT PER FAAO 8260.3E, PARA 13-1-4B CRITERIA.
3. TAKEOFF MINIMUMS: CHANGED POMPANO BEACH AIRPARK RWY 15 CEILING/VISIBILITY FROM 400-1 3/8 TO 300-2 - CONTROLLING OBSTACLES REEVALUATED/UPDATED CEILING & VISIBILITY BASED ON NEW TARGETS EVALUATION/MATCHES KPMP TEXTUAL ODP.
4. ADDITIONAL FLIGHT DATA: ADDED "AIRPORT MV: FLL (P) 6W/2015, FXE 7W/2015, PMP 7W/2015" - CRITERIA CLARIFICATION MEMO (7/15/2022) TO MEMO 283 (6/2/2022).



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 DEPARTURE (DATA RECORD)

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HROCK	TWO	HROCK2.HROCK	ONE	05/19/2022	20 Apr 2023

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
	FORT LAUDERDALE/ HOLLYWOOD INTL								
RW10L (AER)*	260436.98N/0800953.22W	N	-	-	-	-			*DISPL THLD (576 FT)
-	260435.75N/0800623.10W	-	-	VI	090.36	3.15			CG 500 FT PER NM TO 580
LLBOW	260518.36N/0800420.24W	Y	FB	CF	069.00	1.97			
ROOOM	260914.71N/0800244.55W	Y	FB	TF	020.07	4.18	AT/ABOVE 4000		
YOLOO	261325.67N/0800421.65W	Y	FB	TF	340.76	4.42			
LRICK	261515.98N/0800931.19W	Y	FB	TF	291.58	4.99			
JOENZ	262410.48N/0804312.16W	Y	FB	TF	286.48	31.54			
RW10R (AER)	260357.19N/0800930.06W	N	-	-	-	-			
-	260356.24N/0800651.52W	-	-	VI	090.37	2.38			CG 500 FT PER NM TO 580
LLBOW	260518.36N/0800420.24W	Y	FB	CF	059.00	2.65			
ROOOM	260914.71N/0800244.55W	Y	FB	TF	020.07	4.18	AT/ABOVE 4000		
YOLOO	261325.67N/0800421.65W	Y	FB	TF	340.76	4.42			
LRICK	261515.98N/0800931.19W	Y	FB	TF	291.58	4.99			
JOENZ	262410.48N/0804312.16W	Y	FB	TF	286.48	31.54			



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HROCK		TWO		HROCK2.HROCK		ONE		05/19/2022		20 Apr 2023	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>		
RW28L (AER)	260356.67N/0800802.34W	N	-	-	-	-					
580 MSL	-	-	-	VA	270.38	-	AT/ABOVE 580		CG 500 FT PER NM TO 580		
TIDEZ	260352.61N/0801343.44W	Y	FB	DF	-	-					
DUSKE	260348.33N/0801803.19W	Y	FB	TF	268.97	3.90					
KBUNK	261323.91N/0802928.01W	Y	FB	TF	313.00	14.03					
JOENZ	262410.48N/0804312.16W	Y	FB	TF	311.09	16.36					
RW28R (AER)*	260436.49N/0800827.48W	N	-	-	-	-			*DISPL THLD (606 FT)		
580 MSL	-	-	-	VA	270.37	-	AT/ABOVE 580		CG 500 FT PER NM TO 580		
SEAZZ	260433.31N/0801351.46W	Y	FB	DF	-	-					
HEPAD	260428.68N/0801832.56W	Y	FB	TF	268.97	4.22					
KBUNK	261323.91N/0802928.01W	Y	FB	TF	312.18	13.26					
JOENZ	262410.48N/0804312.16W	Y	FB	TF	311.09	16.36					
JOENZ	262410.48N/0804312.16W	Y	-	IF	-	-					
HROCK	263029.43N/0805050.23W	Y	FB	TF	312.61	9.31					
HROCK	263029.43N/0805050.23W	Y	-	IF	-	-			HROCK2.KPASA		
BLAAK	270239.41N/0812011.80W	Y	FB	TF	320.78	41.46					
PYROS	272014.68N/0813122.59W	Y	FB	TF	330.43	20.17					
KPASA	281034.00N/0815427.00W	Y	FB	TF	337.90	54.20					

QUALITY
8
CHECKED

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HROCK	TWO	HROCK2.HROCK	ONE	05/19/2022	20 Apr 2023				
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
HROCK	263029.43N/0805050.23W	Y	-	IF	-	-			HROCK2.SMELZ
THEUU	270301.83N/0813030.60W	Y	FB	TF	312.57	48.10			
GNARL	272735.24N/0814816.18W	Y	FB	TF	327.19	29.16			
SMELZ	280459.00N/0820634.00W	Y	FB	TF	336.55	40.67			

QUALITY
8
CHECKED