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 statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ARKES	TWO	ARKES2.ARKES	ONE	09/28/2006	02 MAY 2013

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 10L: CLIMB HEADING 096.37 TO 520, THEN DIRECT JUMAR, THEN LEFT TURN ON 354.16 TRACK TO HAPOR, THEN ON DEPICTED ROUTE TO ARKES, THENCE...
TAKEOFF RWY 28R: CLIMB HEADING 276.37 TO 520, THEN DIRECT NOVAE, THEN ON DEPICTED ROUTE TO ARKES, THENCE...

...MAINTAIN 3000 OR AS ASSIGNED BY ATC. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED. **NOTE:** DME/DME IRU OR GPS REQUIRED. **NOTE:** RNAV 1. **NOTE:** TURBOJET AIRCRAFT ACCELERATE TO 250 KIAS WITHIN 7 NM OF DEPARTURE, IF UNABLE ADVISE ATC. **NOTE:** FILE DP IN REMARKS SECTION OF FLIGHT PLAN. **NOTE:** EXPECT TO CROSS ATONE AT OR ABOVE 11000.

TAKEOFF MINIMUMS:
RWY 10L, 28R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.
RWY 10R, 28L, NA - ATC.

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ARKES	TWO	ARKES2.ARKES	ONE	09/28/2006	02 MAY 2013

TAKEOFF OBSTACLES NOTES:

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, 548 FT LEFT AND 633 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/53 FT MSL. TREES AND POLE BEGINNING 1975 FT FROM DER, 827 FT LEFT AND 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.

CONTROLLING OBSTACLES:

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

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KFLL 6W EPOCH YEAR: 2015.
DME/DME ASSESSMENT: SAT (RNP 2.0).

AIRPORTS SERVED:

FORT LAUDERDALE/HOLLYWOOD INTL, FORT LAUDERDALE, FL

COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, GROUND CONTROL, TOWER, DEPARTURE CONTROL, ZMA ARTCC

FIXES AND/OR NAVAIDS:

SECOR, ATONE, KRMIT.

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ARKES	TWO	ARKES2.ARKES	ONE	09/28/2006	02 MAY 2013

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW10L (AER)*	260436.99N/0800953.22W*	N	-	-	-	-			*DISPL THLD (576 FT)
520 MSL		-	-	VA	090.37	-			CG 500 FT PER NM TO 520
JUMAR	260431.16N/0795501.21W	Y	FB	DF	-	-			
HAPOR	261243.07N/0795655.56W	Y	FB	TF	348.16	8.35			LEFT TURN
SECOR	261427.18N/0801120.40W	Y	FB	TF	277.66	13.08			
ATONE	262312.14N/0802123.68W	Y	FB	TF	314.03	12.56			
ARKES	263437.73N/0802503.60W	Y	FB	TF	343.91	11.86			
RW28R (AER)*	260436.49N/0800827.49W*	N	-	-	-	-			*DISPL THLD (606 FT)
520 MSL		-	-	VA	270.37	-			CG 500 FT PER NM TO 520
NOVAE	260438.99N/0801558.68W	Y	FB	DF	-	-			
KRMIT	261322.00N/0801816.69W	Y	FB	TF	346.61	8.93			
ATONE	262312.14N/0802123.68W	Y	FB	TF	344.07	10.20			
ARKES	263437.73N/0802503.60W	Y	FB	TF	343.91	11.86			

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ARKES RNAV	TWO	ARKES2.ARKES	ONE	09/28/2006	02 MAY 2013

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ARKES K70    C   B N26343773W080250360                      W0062     NAR           ARKES
        SUSAEAENRT   ATONE K70    C   L N26231214W080212368                      W0062     NAR           ATONE
        SUSAEAENRT   HAPOR K70    W     N26124307W079565556                      W0065     NAR           HAPOR
        SUSAEAENRT   JUMAR K70    C     N26043116W079550121                      W0065     NAR           JUMAR
        SUSAEAENRT   KRMIT K70    W     N26132200W080181669                      W0062     NAR           KRMIT
        SUSAEAENRT   NOVAE K70    C     N26043899W080155868                      W0062     NAR           NOVAE
        SUSAEAENRT   SECOR K70    W     N26142718W080112040                      W0063     NAR           SECOR
                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7AFLL     0     090YHN26042135W080090987W006000009         1800018000C    MNAR    FORT LAUDERDALE/HOLLYWOOD INTL
                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7DARKES24RW10L 010         0        VA                      0964        + 00520     18000
        SUSAP KFLLK7DARKES24RW10L 020JUMARK7EA0E    010DF
        SUSAP KFLLK7DARKES24RW10L 030HAPORK7EA0E   L010TFY
        SUSAP KFLLK7DARKES24RW10L 040SECORK7EA0E    010TF
        SUSAP KFLLK7DARKES24RW10L 050ATONEK7EA0E    010TF
        SUSAP KFLLK7DARKES24RW10L 060ARKESK7EA0EE   010TF
        SUSAP KFLLK7DARKES24RW28R 010         0        VA                      2764        + 00520     18000
        SUSAP KFLLK7DARKES24RW28R 020NOVAEK7EA0E    010DF
        SUSAP KFLLK7DARKES24RW28R 030KRMITK7EA0E    010TF
        SUSAP KFLLK7DARKES24RW28R 040ATONEK7EA0E    010TF
        SUSAP KFLLK7DARKES24RW28R 050ARKESK7EA0EE   010TF
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLLK7GRW10L   0090000964 N26043699W080095322+0000    -0023800006057648150IILHI1
        SUSAP KFLLK7GRW28R   0090002764 N26043649W080082749+0000    -0024000005060649150IIUDL1
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DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ARKES RNAV	TWO	ARKES2.ARKES	ONE	09/28/2006	02 MAY 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW10L		010		VA		FB		096.4()		AA 00520	
	RW10L	JUMAR	020		DF		FB	1.0				
	RW10L	HAPOR	030		TF	L	FB	1.0				
	RW10L	SECOR	040		TF		FB	1.0				
	RW10L	ATONE	050		TF		FB	1.0				
	RW10L	ARKES	060		TF		FB	1.0				
	RW28R		010		VA		FB		276.4()		AA 00520	
	RW28R	NOVAE	020		DF		FB	1.0				
	RW28R	KRMIT	030		TF		FB	1.0				
	RW28R	ATONE	040		TF		FB	1.0				
	RW28R	ARKES	050		TF		FB	1.0				

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ARKES	N263437.73	W0802503.60	N2634.629	W08025.060
ATONE	N262312.14	W0802123.68	N2623.202	W08021.395
HAPOR	N261243.07	W0795655.56	N2612.718	W07956.926
JUMAR	N260431.16	W0795501.21	N2604.519	W07955.020
KRMIT	N261322.00	W0801816.69	N2613.367	W08018.278
NOVAE	N260438.99	W0801558.68	N2604.650	W08015.978
SECOR	N261427.18	W0801120.40	N2614.453	W08011.340
RW10L	N260436.99	W0800953.22	N2604.617	W08009.887
RW28R	N260436.49	W0800827.49	N2604.608	W08008.458

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW10L	00006	48
RW28R	00005	49