

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KAKE	THREE	KAKE3.LVD	TWO	02 JUL 2009	27 JUNE 2013

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RWY 11: CLIMB TO 5000 ON 116.09 BEARING FROM AFE NDB/DME TO DUKEC/17.00 DME, THEN ON 116.09 COURSE TO LVD VOR/DME BEFORE PROCEEDING ON COURSE, OR CLIMB IN VISUAL CONDITIONS TO CROSS AFE NDB/DME AT OR ABOVE 2900 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TAKEOFF RWY 29: CLIMB TO 800, THEN CLIMBING LEFT TURN TO 5000 ON HEADING 067 AND 116.09 BEARING FROM AFE NDB/DME TO DUKEC/17.00 DME, THEN ON 116.09 COURSE TO LVD VOR/DME BEFORE PROCEEDING ON COURSE, OR CLIMB IN VISUAL CONDITIONS TO CROSS AFE NDB/DME AT OR ABOVE 2900 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS:

RWY 11: 700-3 WITH A MINIMUM CLIMB OF 379 FEET PER NM TO 1500, OR 2900-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 29: 700-3 WITH A MINIMUM CLIMB OF 390 FEET PER NM TO 1100, OR 2900-3 FOR CLIMB IN VISUAL CONDITIONS.

NOTE: DME REQUIRED.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 11: TERRAIN BEGINNING 644 FT FROM DER, 635 FT LEFT OF CENTERLINE, UP TO 399 FT MSL. TREES BEGINNING 3751 FT FROM DER, 982 FT LEFT OF CENTERLINE, 148 FT AGL/647 FT MSL.

NOTE: RWY 29: TREELINE BEGINNING 152 FT FROM DER, 198 FT LEFT OF CENTERLINE, UP TO 148 FT AGL/347 FT MSL. TOWER 6356 FT FROM DER, 175 FT LEFT OF CENTERLINE, 191 FT AGL/328 FT MSL, SHIP 1645 FT FROM DER, 916 FT LEFT OF CENTERLINE, UP TO 208 FT AGL/208 FT MSL.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 11 – 2499 FT MSL AAO 565855.00N/1334808.00W, RWY 29 – 3067 FT MSL AAO 570345.00N/1335022.90W.

CONTROLLING OBSTACLES:

RWY 11: 399 FT MSL TERRAIN 565729.00N/1335353.00W, 847 FT MSL TREES 565623.00N/1335000.00W, 1099 FT MSL TREES 565436.00N/1334717.00W, (VCOA) 2499 FT MSL AAO 565855.00N/1334808.00W

RWY 29: 347 FT MSL TREES 565753.00/1335509.00W, 847 FT MSL TREES 565833.11N/1335407.01W, (VCOA) 2499 FT MSL AAO 565855.00N/1334808.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:



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8. CHANGED TRANSITION CODE FROM KAKE2.SQM TO KAKE3.LVD.
9. ADDED NOTE: "WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE."

REASONS:

1. DUE TO FACILITY RESTRICTION ON LVD VOR/DME PAST 25NM. FIX NAME RETAINED AFTER GREATER THAN 1NM MOVE PER FPT REQUEST.
2. PER FPT REQUEST.
3. PER FPT REQUEST.
4. DUKEC NO LONGER CHARTED AS INTERSECTION.
5. PER FPT REQUEST.
6. CALCULATED USING ACCURACY CODE ADJUSTMENTS.
7. OBSTACLE PENETRATION.
8. NEW DESTINATION NAVAID.
9. PER .46D APPENDIX D.



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KAKE	THREE	KAKE3.LVD	TWO	20 JUL 2009	27 JUNE 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW11	DUKEC	010		CF		FB		116.1()	017.0	AA 05000	
	RW11	LVD	020		TF		FB					
	RW29		010		VA		FB		288.9()		AA 00800	
	RW29		020		VI	L	FB		067.0()			
	RW29	DUKEC	030		CF		FB		116.1()	020.0	AA 05000	
	RW29	LVD	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LVD	N562803.75	W1330459.21	N5628.063	W13304.987
	YXS	N535339.00	W1222715.00	N5353.650	W12227.250
	DUKEC	N564522.84	W1333341.22	N5645.381	W13333.687
	RW11	N565753.54	W1335504.62	N5657.892	W13355.077
	RW29	N565734.59	W1335423.10	N5657.577	W13354.385

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00150	41
	RW29	00150	50

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ARINC PACKET - 424-18 - SID

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