

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
FEDRA	THREE	FEDRA3.FEDRA	TWO	07 MAR 13	20 AUGUST 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17L: CLIMB HEADING 167.91 TO 1020, THEN DIRECT DROPA; THEN ON DEPICTED ROUTE TO FEDRA; THENCE...  
TAKEOFF RWY 17R: CLIMB HEADING 168.40 TO INTERCEPT COURSE 183.48 TO LEENE, THEN ON DEPICTED ROUTE TO FEDRA, THENCE...  
TAKEOFF RWY 29: CLIMB HEADING 294.13 TO INTERCEPT COURSE 267.80 TO GADSN, THEN ON DEPICTED ROUTE TO FEDRA, THENCE...  
TAKEOFF RWY 35L: CLIMB HEADING 348.40 TO INTERCEPT COURSE 332.70 TO RRROE, THEN ON DEPICTED COURSE TO FEDRA, THENCE...  
TAKEOFF RWY 35R: CLIMB HEADING 347.92 TO 1020, THEN DIRECT GRIPZ, THEN ON DEPICTED ROUTE TO FEDRA, THENCE...

...(TRANSITION). MAINTAIN 5000, EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes		From		Distance	MEA	MOCA	Crossing Altitudes/Fixes
	FIX/NAVAID	To FIX/NAVAID	SHIPR	OHAGI				
SHIPR	FEDRA3.SHIPR	FEDRA	SHIPR		30.06	13000	3000	
OHAGI	FEDRA3.OHAGI	FEDRA	OHAGI		20.00	FL180	3100	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

- NOTE: RNAV 1.
- NOTE: DME/DME/IRU OR GPS REQUIRED.
- NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.
- NOTE: FOR TURBOJET AIRCRAFT ONLY.
- NOTE: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE ATC ON INITIAL CONTACT.
- NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR LOUISVILLE CLEARANCE DELIVERY.

RWY 11, NA-AIR TRAFFIC.  
RWY 17L, 17R, 29, 35L, 35R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1020.

TAKEOFF OBSTACLES NOTES:

RWY 17L. LIGHT TOWER 622 FT FROM DER, 643 FT RIGHT OF CENTERLINE, 25 FT AGL/496 FT MSL. OBSTRUCTION LIGHT ON DME 498 FT FROM DER, 299 FT RIGHT OF CENTERLINE, 14 FT AGL/485 FT MSL. MULTIPLE TREES AND LIGHTED TOWERS BEGINNING 328 FT FROM DER, 302 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/560 FT MSL. SIGN 723 FT FROM DER, 637 FT LEFT OF CENTERLINE, 26 FT AGL/497 FT MSL.  
RWY 17R, POLE 748 FT FROM DER, 664 FT RIGHT OF CENTERLINE, 24 FT AGL/505 FT MSL. POLE 666 FT FROM DER, 336 FT LEFT OF CENTERLINE, 24 FT AGL/496 FT MSL.  
RWY 29, TREE 1257 FT FROM DER, 809 FT LEFT OF CENTERLINE, 69 FT AGL/550 FT MSL. STACK 1213 FT FROM DER, 329 FT LEFT OF CENTERLINE, 37 FT AGL/518 FT MSL.  
POLES BEGINNING 873 FT FROM DER, 223 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/509 FT MSL. TREES BEGINNING 1033 FT FROM DER, 73 FT RIGHT OF CENTERLINE, 73 FT AGL/571 FT MSL. OBSTRUCTION LIGHT ON GLIDESLOPE 474 FT FROM DER, 398 FT RIGHT OF CENTERLINE, 49 FT AGL/526 FT MSL. POLE 1255 FT FROM DER, 760 FT RIGHT OF CENTERLINE, 29 FT AGL/515 FT MSL.  
RWY 35L, POLES BEGINNING 686 FT FROM DER, 116 FT LEFT OF CENTERLINE, UP TO 38 FT AGL/541 FT MSL. LIGHTED TOWER 258 FT FROM DER, 261 FT LEFT OF CENTERLINE 44 FT AGL/500 FT MSL. POLES BEGINNING 270 FT FROM DER, 230 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/526 FT MSL. TREES BEGINNING 1596 FT FROM DER, 260 FT RIGHT OF CENTERLINE UP TO 86 FT AGL/560 FT MSL.

QUALITY  
15  
CHECKED

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
FEDRA	THREE	FEDRA3.FEDRA	TWO	07 MAR 13	20 AUGUST 2015

**RWY 35R.** MULTIPLE TREES AND POLES BEGINNING 542 FT FROM DER, 303 FT RIGHT OF CENTERLINE UP TO 88 FT AGL/580 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 17L/17R: 1067 FT MSL TOWER, 380628.00N/0854246.00W

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KSDF 3W EPOCH YR: 1995.  
DME/DME ASSESSMENT: SAT (RNP 2.0).  
CHART: TOP ALTITUDE: 5000.

**AIRPORTS SERVED:**

LOUISVILLE INTL-STANDIFORD FIELD  
LOUISVILLE, KY

**COMMUNICATIONS:**

ATIS, GND CON, CLNC DEL, DEP CON, TOWER

**FIXES AND/OR NAVAIDS:**

FRATE, PKAGE, LUUKE, IAMUR, FADDR, LLAWS, GLDIE, SIXMI, BAALK

**REMARKS:**

CLIMB GRADIENTS REQUIRED TO SUPPORT RNAV-PRO DME/DME/IRU LIMITATIONS.



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
FEDRA	THREE	FEDRA3.FEDRA	TWO	07 MAR 13	20 AUGUST 2015

**REQUIRED EFFECTIVE DATE:**  
ROUTINE

**COORDINATED WITH:**

ATA, ALPA, APA, AOPA, NBAA, ZID, AMGR, EST FPO

**CHANGES:**

ADDED CHART: TOP ALTITUDE: 5000.

**REASONS:**

ATC REQUEST.



# DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date			
FEDRA	THREE	FEDRA3.FEDRA	TWO	07 MAR 2013	20 AUGUST 2015			
FIX/NAVAID	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17L (AER)*	-	-	-	-	-	-	-	*DISPL THLD (329 FT)
1020 MSL	-	-	VA	164.91	-	-	-	CG 500 FT/NM TO 1020
DROPA	Y	FB	DF	-	-	-	-	
FRATE	Y	FB	TF	092.11	19.27	-	-	
FEDRA	Y	FB	TF	099.74	9.10	-	-	
RW17R (AER)*	N	-	-	-	-	-	-	*DISPL THLD (850 FT)
LEENE	-	-	VI	165.40	2.93	-	-	CG 500 FT/NM TO 1020
PKAGE	Y	FB	CF	180.48	3.53	-	-	RECOMMENDED NAVAID LOZ VORTAC
FRATE	Y	FB	TF	092.00	7.60	-	-	VI/CF PERMITTED
FEDRA	Y	FB	TF	090.56	13.41	-	-	
	Y	FB	TF	099.74	9.10	-	-	
RW29 (AER)	N	-	-	-	-	-	-	CG 500 FT/NM TO 1020
GADSN	-	-	VI	291.13	2.50	-	-	RECOMMENDED NAVAID LOZ VORTAC
LUUKE	Y	FB	CF	264.80	2.72	-	-	VI/CF PERMITTED
IAMUR	Y	FB	TF	264.79	3.33	-	-	
FADDR	Y	FB	TF	181.20	6.78	-	-	
FRATE	Y	FB	TF	092.74	9.21	-	-	
FEDRA	Y	FB	TF	087.60	19.91	-	-	
	Y	FB	TF	099.74	9.10	-	-	
RW35L (AER)*	N	-	-	-	-	-	-	*DISPL THLD (1040 FT)
RRROE	-	-	VI	345.40	2.81	-	-	CG 500 FT/NM TO 1020
LLAWS	Y	FB	CF	329.70	5.07	-	-	RECOMMENDED NAVAID LOZ VORTAC
GLDIE	Y	FB	TF	056.70	6.42	-	-	VI/CF PERMITTED
FRATE	Y	FB	TF	139.95	19.10	-	-	
FEDRA	Y	FB	TF	099.63	6.99	-	-	
	Y	FB	TF	099.74	9.10	-	-	



# DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date				
FEDRA	THREE	FEDRA3.FEDRA	TWO	07 MAR 2013	20 AUGUST 2015				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW35R (AER)*	380956.70N/0854326.34W*	N	-	-	-	-			*DISPL THLD (450 FT)
1020 MSL		-	-	VA	344.92	-			CG 500 FT/NM TO 1020
GRIPZ	381311.90N/0854433.00W	Y	FB	DF	-	-			
BAALK	381531.67N/0854520.85W	Y	FB	TF	344.89	2.41			
SIXMI	381834.12N/0853924.41W	Y	FB	TF	056.97	5.58			
GLDIE	380527.92N/0852606.74W	Y	FB	TF	141.25	16.77			
FRATE	380417.35N/0851722.92W	Y	FB	TF	099.63	6.99			
FEDRA	380244.41N/0850601.98W	Y	FB	TF	099.74	9.10			
FEDRA	380244.41N/0850601.98W	Y	-	IF	-	-			FEDRA3.OHAGI
OHAGI	375205.84N/0844436.80W	Y	FB	TF	122.00	20.00			
FEDRA	380244.41N/0850601.98W	Y	-	IF	-	-			FEDRA3.SHIPR
SHIPR	375759.91N/0842828.49W	Y	FB	TF	098.87	30.06			

