

**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.
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
CRRGO	THREE	CRRGO3.CRRGO	TWO	08/20/2015	

<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:

TAKEOFF RWY 17L: CLIMB HEADING 169.91 TO 1020, THEN DIRECT DROPA, THEN ON DEPICTED ROUTE TO CRRGO, THENCE...

TAKEOFF RWY 17R: CLIMB HEADING 170.39 TO INTERCEPT COURSE 185.49 TO LEENE, THEN ON DEPICTED ROUTE TO CRRGO, THENCE...

TAKEOFF RWY 29: CLIMB HEADING 296.14 TO INTERCEPT COURSE 271.73 TO GADSN, THEN ON DEPICTED ROUTE TO CRRGO, THENCE...

TAKEOFF RWY 35L: CLIMB HEADING 350.40 TO INTERCEPT COURSE 334.63 TO RRROE, THEN ON DEPICTED ROUTE TO CRRGO, THENCE...

TAKEOFF RWY 35R: CLIMB HEADING 349.92 TO 1020, THEN DIRECT GRIPZ, THEN ON DEPICTED ROUTE TO CRRGO, THENCE...

...MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE 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>
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PROCEDURAL DATA NOTES:

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.

TAKEOFF MINIMUMS:

RWY 11: NA - ATC.

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.

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



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CRRGO	THREE	CRRGO3.CRRGO	TWO	08/20/2015	

CONTROLLING OBSTACLES:

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

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KSDF 5W EPOCH YR: 2020.

DME/DME ASSESSMENT: SAT (RNP 2.0).

CHART: TOP ALTITUDE: 5000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
LOUISVILLE INTL-STANDIFORD FIELD	LOUISVILLE	KY

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

DIIME, ONMEE, DOCKE, LUUKE, BUHBA, SLATY



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CRRGO	THREE	CRRGO3.CRRGO	TWO	08/20/2015	

REMARKS:

1. ABBREVIATED AMENDMENT, DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.
2. CLIMB GRADIENTS REQUIRED TO SUPPORT RNAV PRO RUN DME/DME/IRU LIMITATIONS

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED
IAW FLIGHT TEAM (AJW-333) MEMO, MAY 30, 2017.

Digitally signed by

ROBERT G HAMILTON

Dec 12, 2017

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

PETER GUIMOND

Digitally signed by

PETER R GUIMOND

Aug 06, 2017

OFFICE SYMBOL:

AJV-5422

DATE:

08/06/2017

APPROVED BY:

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Dec 12, 2017

OFFICE SYMBOL:

AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZID, SDF APP CON, SDF ATCT, AMGR

CHANGES - REASONS:

1. AMENDED REFERENCE MAGVAR FROM 3W (1995) TO 5W (2020) - MATCH PENDING AIRPORT MAGVAR ASSIGNMENT FOR KSDF.
2. INCREASED ALL MAGNETIC COURSES TWO DEGREES - COMPUTED USING AMENDED REFERENCE MAGVAR.
3. ADDED YRK VORTAC AS RECOMMENDED NAVAID FOR CF LEGS ON FAA FORM 15C FOR RWY 17R, RWY 29, AND RWY 35L - IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX E, SECTION 2, PARA 1J.
4. AMENDED RWY 17L DISPLACEMENT VALUE IN REMARKS ON FAA FORM 8260-15C FROM 329 FT TO 328 FT - MATCH CURRENT AIRNAV DATA.
5. AMENDED RWY 17R DISPLACED THRESHOLD LAT/LONG AND DISPLACEMENT VALUE IN REMARKS ON FAA FORM 8260-15C FROM 850 FT TO 846 FT - MATCH CURRENT AIRNAV DATA.
6. AMENDED RWY 35L DISPLACED THRESHOLD LAT/LONG ON FAA FORM 8260-15C - MATCH CURRENT AIRNAV DATA.
7. AMENDED RWY 35R DISPLACED THRESHOLD LAT/LONG AND DISPLACEMENT VALUE IN REMARKS ON FAA FORM 8260-15C FROM 450 FT TO 449 FT - MATCH CURRENT AIRNAV DATA.
8. ADDED DIIME, ONMEE, DOCKE, LUUKE, BUHBA, AND SLATY TO FIXES AND/OR NAVAIDS BLOCK - IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX E, SECTION 1, PARA 13.
9. AMENDED RWY 35L ROUTE DESCRIPTION ENTRY FROM ON DEPICTED COURSE TO CRRGO TO READ ON DEPICTED ROUTE TO CRRGO - IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX E, SECTION 1, PARA 3.

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

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CRRGO		THREE		CRRGO3.CRRGO		TWO		08/20/2015	
<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>
RW17L (AER)*	381111.14N/0854351.76W*	N	-	-	-	-			*DISPL THLD (328 FT)
1020 MSL		-	-	VA	164.91	-			CG 500 FT/NM TO 1020
DROPA	380502.41N/0854145.98W	Y	FB	DF	-	-			
DIIME	380401.33N/0854632.08W	Y	FB	TF	254.91	3.90			
ONMEE	380428.77N/0855414.55W	Y	FB	TF	274.33	6.10			
DOCKE	380425.18N/0855647.21W	Y	FB	TF	268.31	2.01			
CRRGO	375422.16N/0861348.05W	Y	FB	TF	233.35	16.78			
RW17R (AER)*	381105.06N/0854452.93W*	N	-	-	-	-			*DISPL THLD (846 FT)
	380814.36N/0854356.63W	-	-	VI	165.39	2.94			CG 500 FT/NM TO 1020
LEENE	380442.68N/0854358.94W	Y	FB	CF	180.49	3.52			RECOMMENDED NAVAID: YRK VORTAC
ONMEE	380428.77N/0855414.55W	Y	FB	TF	268.42	8.10			
DOCKE	380425.18N/0855647.21W	Y	FB	TF	268.31	2.01			
CRRGO	375422.16N/0861348.05W	Y	FB	TF	233.35	16.78			
RW29 (AER)	381022.99N/0854325.77W	N	-	-	-	-			
	381112.41N/0854607.83W	-	-	VI	291.14	2.28			CG 500 FT/NM TO 1020
GADSN	381102.35N/0854949.85W	Y	FB	CF	266.73	2.92			RECOMMENDED NAVAID: YRK VORTAC
LUUKE	381044.12N/0855402.21W	Y	FB	TF	264.79	3.33			
CRGGO	375422.16N/0861348.05W	Y	FB	TF	223.78	22.61			

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<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>
RW35L (AER)*	380929.40N/0854421.37W*	N	-	-	-	-			*DISPL THLD (1040 FT)
	381214.80N/0854515.97W	-	-	VI	345.40	2.85			CG 500 FT/NM TO 1020
RRROE	381635.70N/0854829.91W	Y	FB	CF	329.63	5.04			RECOMMENDED NAVAID: YRK VORTAC
BUHBA	381630.86N/0855314.80W	Y	FB	TF	268.79	3.74			
CRRGO	375422.16N/0861348.05W	Y	FB	TF	216.37	27.43			
RW35R (AER)*	380956.69N/0854326.33W*	N	-	-	-	-			*DISPL THLD (449 FT)
1020 MSL		-	-	VA	344.92	-			CG 500 FT/NM TO 1020
GRIPZ	381311.90N/0854433.00W	Y	FB	DF	-	-			
SLATY	381633.25N/0854541.86W	Y	FB	TF	344.91	3.47			
BUHBA	381630.86N/0855314.80W	Y	FB	TF	269.66	5.94			
CRRGO	375422.16N/0861348.05W	Y	FB	TF	216.37	27.43			

QUALITY
3
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