

**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SUPERSEDED NUMBER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>EFFECTIVE DATE</u>
LUCYL	SIX	LUCYL6.LUCYL	FIVE	07/19/2018	05 DEC 2019

<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 2: CLIMB ON HEADING 023.46 TO 687 MSL, THEN CLIMBING RIGHT TURN DIRECT TO CROSS SJAYY AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LUCYL, THENCE...
 TAKEOFF RWY 16: CLIMB ON HEADING 157.46 TO 687 MSL, THEN CLIMBING LEFT TURN DIRECT TO CROSS KEGME AT OR ABOVE 4000, THEN ON TRACK 064.63 TO CROSS BUNKK AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LUCYL, THENCE...
 TAKEOFF RWY 20: CLIMB ON HEADING 203.46 TO 687 MSL, THEN CLIMBING LEFT TURN DIRECT TO CROSS KEGME AT OR ABOVE 4000, THEN ON TRACK 064.63 TO CROSS BUNKK AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LUCYL, THENCE...
 TAKEOFF RWY 34: CLIMB ON HEADING 337.47 TO 687 MSL, THEN CLIMBING RIGHT TURN DIRECT TO CROSS SJAYY AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LUCYL, THENCE...

...MAINTAIN 5000, EXPECT FILED ALTITUDE WITHIN TEN (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.

TAKEOFF MINIMUMS:

RWY 2: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 687, THEN MINIMUM CLIMB OF 372 FT PER NM TO 5000.
 RWYS 16, 20: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 687, THEN MINIMUM CLIMB OF 480 FT PER NM TO 4000.
 RWY 34: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 687, THEN MINIMUM CLIMB OF 353 FT PER NM TO 5000.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 2: 321 FT MSL TOWER 373155.55N/0771932.65W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KRIC 10W EPOCH: 2020
 DME/DME/IRU ASSESSMENT: SAT (RNP 2.0)
 CHART: R-4005, R-4006, R-4007
 CHART: TOP ALTITUDE: 5000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
RICHMOND INTL (KRIC)	RICHMOND	VA



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COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, GROUND CONTROL, TOWER, PCT DEP CON (001-185)

FIXES AND/OR NAVAIDS:

HAYYU, KAMMI
HYTRA, LOUIE, GARED, SHLBK AS STAND ALONE FIXES.

REMARKS:

UTILIZING 687 MSL FOR LNAV ENGAGEMENT ALTITUDE REQUESTED BY PBN OFFICE TO MATCH OTHER PROCEDURES.
ABBREVIATED AMENDMENT IAW 8260.46F, APPENDIX E, PARA 14D.

FLIGHT INSPECTED BY:

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER, 3, 2018, SUBJECT: FLIGHT INSPECTION
REVIEW NOT REQUIRED.

OFFICE SYMBOL: **DATE:**

Digitally signed by

WARDELL HENNING

Aug 23, 2019

DEVELOPED BY:

WARDELL HENNING (STEVEN SCHUTRUM)

Digitally signed by

WARDELL HENNING

Aug 23, 2019

OFFICE SYMBOL: **DATE:**

AJV-A432

06/05/2019

APPROVED BY:

LONNIE EVERHART

Digitally signed by

WARDELL HENNING

Aug 23, 2019

OFFICE SYMBOL: **DATE:**

AJV-A430

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:

PCT TRACON, KRIC ATCT, ZDC, ARPT MGR, VA DOT

CHANGES - REASONS:

1. REMOVED ALL REFERENCE TO RWY 7/25.
2. REMOVED TAKE OFF OBSTACLE NOTES - MEMO 289, 12/27/2017, IMPLEMENTATION OF AFS WAIVER FOR FAA ORDER 8260.46F, DEPARTURE PROCEDURE PROGRAM.
3. SELECTED APA BLOCK FOR COORDINATION - DEPARTURE USED BY AMERICAN AIRLINES.



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

<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>			
LUCYL		SIX	LUCYL6.LUCYL	FIVE	07/19/2018	05 DEC 2019			
<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>
RW02 (AER)	372955.94N/0771946.77W	N	-	-	-	-			
687 MSL	-	-	-	VA	013.46	-			CG 500 FT PER NM TO 687
SJAYY	374015.12N/0770853.88W	Y	FB	DF	-	-	AT/ABOVE 5000		RIGHT TURN, CG 372 FT PER NM TO 5000
KAMMI	375428.55N/0765431.82W	Y	FB	TF	038.64	18.21			
LUCYL	380523.90N/0764039.08W	Y	FB	TF	045.09	15.47			
RW16 (AER)	373059.89N/0771924.88W	N	-	-	-	-			
687 MSL	-	-	-	VA	147.46	-			CG 500 FT PER NM TO 687
KEGME	372839.98N/0770901.51W	Y	FB	DF	-	-	AT/ABOVE 4000		LEFT TURN, CG 480 FT PER NM TO 4000
BUNKK	373133.73N/0770353.98W	Y	FB	TF	054.63	5.00	AT/ABOVE 5000		
HAYYU	374346.39N/0764208.44W	Y	FB	TF	054.68	21.16			
LUCYL	380523.90N/0764039.08W	Y	FB	TF	003.12	21.63			
RW20 (AER)	373059.47N/0771927.68W	N	-	-	-	-			
687 MSL	-	-	-	VA	193.46	-			CG 500 FT PER NM TO 687
KEGME	372839.98N/0770901.51W	Y	FB	DF	-	-	AT/ABOVE 4000		LEFT TURN, CG 425 FT PER NM TO 4000
BUNKK	373133.73N/0770353.98W	Y	FB	TF	054.63	5.00	AT/ABOVE 5000		
HAYYU	374346.39N/0764208.44W	Y	FB	TF	054.68	21.16			
LUCYL	380523.90N/0764039.08W	Y	FB	TF	003.12	21.63			
RW34 (AER)	372944.85N/0771824.78W	N	-	-	-	-			
687 MSL	-	-	-	VA	327.47	-			CG 500 FT PER NM TO 687



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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>
SJAYY	374015.12N/0770853.88W	Y	FB	DF	-	-	AT/ABOVE 5000		RIGHT TURN, CG 353 FT PER NM TO 5000
KAMMI	375428.55N/0765431.82W	Y	FB	TF	038.64	18.21			
LUCYL	380523.90N/0764039.08W	Y	FB	TF	045.09	15.47			

QUALITY
42
CHECKED