

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
KALLI	SEVEN	KALLI7.KALLI	SIX	12/05/2019	2 DEC 2021

<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, THEN CLIMBING LEFT TURN DIRECT TO CROSS SUGGR AT OR ABOVE 5000, THEN ON TRACK 262.61 TO KALLI, THENCE...
TAKEOFF RWY 16: CLIMB ON HEADING 157.46 TO 687, THEN CLIMBING RIGHT TURN DIRECT TO CROSS ITTEM AT OR ABOVE 5000, THEN ON TRACK 274.78 TO KALLI, THENCE...
TAKEOFF RWY 20: CLIMB ON HEADING 203.46 TO 687, THEN CLIMBING RIGHT TURN DIRECT TO CROSS ITTEM AT OR ABOVE 5000, THEN ON TRACK 274.78 TO KALLI, THENCE...
TAKEOFF RWY 34: CLIMB ON HEADING 337.47 TO 687, THEN CLIMBING LEFT TURN DIRECT TO CROSS SUGGR AT OR ABOVE 5000, THEN ON TRACK 262.61 TO KALLI, THENCE...

...(TRANSITION). MAINTAIN 5000, EXPECT FILED ALTITUDE TEN 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>
DRAIK	KALLI7.DRAIK	KALLI	READE	TRACK 261.60	34.38	12800	2000	
		READE	DRAIK	TRACK 264.39	32.58	16000	3000	
READE	KALLI7.READE	KALLI	READE	TRACK 261.60	34.38	12800	2000	
SANNY	KALLI7.SANNY	KALLI	READE	TRACK 261.60	34.38	12800	2000	
		READE	DRAIK	TRACK 264.39	32.58	16000	3000	
		DRAIK	SANNY	TRACK 263.99	28.65	FL180	4300	

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

TAKEOFF MINIMUMS:

RWYS 2, 16, 20, 34: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 687.

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 YEAR: 2020.



DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
KALLI	SEVEN	KALLI7.KALLI	SIX	12/05/2019	2 DEC 2021

DME/DME ASSESSMENT: SAT (RNP 2.0).
 CHART: TOP ALTITUDE: 5000.

AIRPORTS SERVED:

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

COMMUNICATIONS:

CLNC DEL, ATIS, GND CON, TOWER, PTC DEP CON (186-360)

FIXES AND/OR NAVAIDS:

CHART FUBLL, MAULS

REMARKS:

CLIMB TO 687 MSL REQUEST BY ATC TO STANDARDIZE TAKEOFF INSTRUCTIONS WITH KALLI AND LUCYL SIDS.

FLIGHT INSPECTED BY

Digitally signed by

BOB S PRESSLER

JOHN BORDY

Sep 08, 2021

OFFICE

FPO

DATE

09/07/2021

DEVELOPED BY

Digitally signed by

STEVEN WINNER

STEVEN E WINNER

Jul 06, 2021

OFFICE

AJV-A422

DATE

06/10/2021

APPROVED BY

Digitally signed by

MARLON ROBINSON

JOHN BORDY

Sep 08, 2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDC, POTOMAC APP CON, RIC ATCT, AMGR

CHANGES - REASONS:

1. CHANGED "...ON ASSIGNED TRANSITION. MAINTAIN..." TO "...(TRANSITION). MAINTAIN..." IN DP ROUTE DESCRIPTION. - 8260.46G APPENDIX E.
2. REMOVED LYNCHBURG AND MONTEBELLO TRANSITIONS FROM PROCEDURE. - ATC REQUEST AND VORMON.
3. ADDED DRAIK AND READE TRANSITIONS TO PROCEDURE. - ATC REQUEST.
4. ADDED "CHART FUBLL, MAULS" TO FIXES AND/OR NAVAIDS SECTION. - ATC REQUEST.
5. REMOVED ABBREVIATED AMENDMENT REMARK. - NOT APPLICABLE TO THIS AMENDMENT.
6. CHANGED KALLI/READE MOCA FROM 1800 TO 2000 AND READE/DRAIK MOCA FROM 3100 TO 3000. - NEW PROCEDURE EVALUATION.



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 DEPARTURE (DATA RECORD)

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
KALLI	SEVEN	KALLI7.KALLI	SIX	12/05/2019	2 DEC 2021

<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	-	AT/ABOVE 687		CG 500 FT/NM TO 687.
SUGGR	372914.94N/0773329.09W	Y	FB	DF	-	-	AT/ABOVE 5000		LEFT TURN.
KALLI	372754.50N/0773850.85W	Y	FB	TF	252.61	4.47			
RW16 (AER)	373059.89N/0771924.88W	N	-	-	-	-			
687 MSL	-	-	-	VA	147.46	-	AT/ABOVE 687		CG 500 FT/NM TO 687.
ITTEM	372818.98N/0773316.46W	Y	FB	DF	-	-	AT/ABOVE 5000		RIGHT TURN
KALLI	372754.50N/0773850.85W	Y	FB	TF	264.78	4.46			
RW20 (AER)	373059.47N/0771927.68W	N	-	-	-	-			
687 MSL	-	-	-	VA	193.46	-	AT/ABOVE 687		CG 500 FT/NM TO 687.
ITTEM	372818.98N/0773316.46W	Y	FB	DF	-	-	AT/ABOVE 5000		RIGHT TURN
KALLI	372754.50N/0773850.85W	Y	FB	TF	264.78	4.46			
RW34 (AER)	372944.85N/0771824.78W	N	-	-	-	-			
687 MSL	-	-	-	VA	327.47	-	AT/ABOVE 687		CG 500 FT/NM TO 687.
SUGGR	372914.94N/0773329.09W	Y	FB	DF	-	-	AT/ABOVE 5000		LEFT TURN.
KALLI	372754.50N/0773850.85W	Y	FB	TF	252.61	4.47			



<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>			
KALLI		SEVEN	KALLI7.KALLI	SIX	12/05/2019	2 DEC 2021			
<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>ALTIMITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
KALLI	372754.50N/0773850.85W	Y	-	IF	-	-			KALLI7.DRAIK
READE	371655.53N/0781943.84W	Y	FB	TF	251.60	34.38			
DRAIK	370802.15N/0785858.56W	Y	FB	TF	254.39	32.58			
KALLI	372754.50N/0773850.85W	Y	-	IF	-	-			KALLI7.READE
READE	371655.53N/0781943.84W	Y	FB	TF	251.60	34.38			
KALLI	372754.50N/0773850.85W	Y	-	IF	-	-			KALLI7.SANNY
READE	371655.53N/0781943.84W	Y	FB	TF	251.60	34.38			
DRAIK	370802.15N/0785858.56W	Y	FB	TF	254.39	32.58			
SANNY	370002.59N/0793321.07W	Y	FB	TF	253.99	28.65			

