

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)**

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.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>POWTN (RNAV)</b>	<b>FIVE</b>	<b>POWTN.POWTN5</b>	<b>FOUR</b>	<b>01/03/2019</b>	<b>10 SEP 2020</b>

**TRANSITION ROUTES:**

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
LYNCHBURG	LYH.POWTN5	LYH VOR/DME	LYH VOR/DME						
		LYH VOR/DME	WLOCK	085.97	13.12	17000	3700		
		WLOCK	GRUTO	085.98	09.52	13000	3400		
		GRUTO	HONTA	086.13	18.67	13000	3200		AT/ABOVE 13000
		HONTA	VETEC	086.33	07.80	11000	2100		AT/BELOW 12000
		VETEC	AHONE	085.83	08.26	7000	1800		AT 11000
		AHONE	POWTN	086.02	06.04	5000	1800		

**ARRIVAL ROUTE DESCRIPTION:**

LANDING NORTH RWY 02, RWY 34: FROM POWTN ON TRACK 110.80/14.33 TO DUCXS (MEA 4000/MOCA 2400), THEN ON HEADING 151.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING SOUTH RWY 16, RWY 20: FROM POWTN ON TRACK 071.17/15.42 TO DEEER (MEA 4000/MOCA 1800), THEN ON HEADING 081.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY.

NOTE: MAINTAIN LAST ATC ASSIGNED ALTITUDE UNTIL CLEARED TO "DESCEND VIA THE POWTN STAR." ARTCC WILL ISSUE LANDING DIRECTION ASSIGNMENT (NORTH or SOUTH) and POTOMAC TRACON WILL ISSUE RUNWAY ASSIGNMENTS.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING PATTERN: VETEC (HOLD, W, LT 086.33 INBOUND, 10 NM LEGS, 230 KIAS).



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**COMMUNICATIONS:**

POTOMAC APPROACH CONTROL  
RICHMOND INTL ATIS

**AIRPORTS SERVED:**

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

**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**

THIS AMENDMENT DOES NOT QUALIFY AS A PERIODIC REVIEW.

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0).  
REFERENCE MAGNETIC VARIATION = KRIC 10W/2020

**FLIGHT INSPECTED BY:**

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

**DEVELOPED BY:**

DAN POWELL

**ORGANIZATION:**

AJV-A442

**DATE:**

05/04/2020

Flight Inspected Signature:

*Digitally signed by*  
**ROBERT G HAMILTON**  
May 13, 2020

Developed By Signature:

*Digitally signed by*  
**ROBERT G HAMILTON**  
May 13, 2020

**APPROVED BY:**

PAT MULQUEEN

AJV-A440

Approved By Signature:

*Digitally signed by*  
**ROBERT G HAMILTON**  
May 13, 2020

**CHANGES:**

1. REMOVED REFERENCE TO RWY 7/25.

**REASONS:**

1. RWY CLOSED, CONVERTED TO TAXIWAY



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 STAR (DATA RECORD)

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POWTN (RNAV)	FIVE	POWTN.POWTN5	FOUR	01/03/2019	10 SEP 2020

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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EN ROUTE TRANSITION

LYH VOR/DME	371516.48N / 0791410.97W	Y	-	IF					LYH.POWTN5
WLOCK	371826.48N / 0785813.59W	Y	FB	TF	075.97	13.12			
GRUTO	372044.38N / 0784638.94W	Y	FB	TF	075.98	09.52			
HONTA	372511.02N / 0782353.49W	Y	FB	TF	076.13	18.67	AT/ABOVE 13000		
VETEC	372701.42N / 0781422.32W	Y	FB	TF	076.33	07.80	AT/BELOW 12000		
AHONE	372902.50N / 0780418.41W	Y	FB	TF	075.83	08.26	AT 11000	AT 280K	
POWTN	373029.85N / 0775656.76W	Y	FB	TF	076.02	06.04			

RUNWAY TRANSITION

POWTN	373029.85N / 0775656.76W	Y	-	IF	-	-			
DEEER	373755.30N / 0773956.26W	Y	FO	TF	061.17	15.42			
KRIC; RWY 16, RWY 20				VM	071.00				

RUNWAY TRANSITION

POWTN	373029.85N / 0775656.76W	Y	-	IF	-	-			
DUCXS	372747.20N / 0773916.00W	Y	FO	TF	100.80	14.33			



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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
KRIC: RWY 02, RWY 34		-	-	VM	141.00	-			

