

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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.
 Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name POWTN (RNAV)	Number TWO	STAR Computer Code POWTN.POWTN2	Superseded Number ONE	Dated 08 JAN 2015	Effective Date 10 DEC 2015
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
LYNCHBURG	LYH.POWTN2	LYH VORTAC	LYH VORTAC						
			WLOCK	084.97	13.12	17000	3700		
			GRUTO	084.98	09.52	13000	3400		
			HONTA	085.13	18.67	13000	3200		AT/ABOVE 13000
			VETEC	085.33	07.80	11000	2100		AT/BELOW 12000
			AHONE	084.83	08.26	7000	1800		AT 11000
			POWTN	085.02	06.04	5000	1800		

ARRIVAL ROUTE DESCRIPTION:

LANDING NORTH RWY 02, RWY 07, RWY 34: FROM POWTN ON TRACK 109.80/14.33 TO DUCXS (MEA 4000/MOCA 2400), THEN ON HEADING 150.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING SOUTH RWY 16, RWY 20, RWY 25: FROM POWTN ON TRACK 070.17/15.42 TO DEEER (MEA 4000/MOCA 1800), THEN ON HEADING 080.00 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 085.23 INBOUND, 10 NM LEGS, 230 KIAS).

COMMUNICATIONS:

POTOMAC APPROACH CONTROL 126.75/307.2

RICHMOND INTL ATIS 119.15

AIRPORTS SERVED:

RICHMOND INTL , RICHMOND, VA

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
POWTN (RNAV)	TWO	POWTN.POWTN2	ONE	08 JAN 2015	10 DEC 2015

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0).

REFERENCE MAGNETIC VARIATION = KRIC 09W/1985

CHART: CROSS AHONE AT 280 KIAS

CHANGES:

- 1) ADDED AHONE WAYPOINT WITH RESTRICTIONS TO CROSS AT 11000 AND 280 KIAS.
- 2) CHANGED ALTITUDE RESTRICTION AT VETEC FROM AT 11000 TO AT OR BELOW 12000.
- 3) ADDED TO DESCEND VIA NOTE: "ARTCC WILL ISSUE LANDING DIRECTION ASSIGNMENT (NORTH or SOUTH) and POTOMAC TRACON WILL ISSUE RUNWAY ASSIGNMENTS."
- 4) REMOVED TURBOPROPS FROM PROCEDURE.
- 5) ADDED 230 KIAS TO VETEC HOLDING.
- 6) ADDED LANDING DIRECTIONS TO ARRIVAL ROUTE DESCRIPTIONS.
- 7) MOVED RWY 25 FROM DUCXS ARRIVAL ROUTE TO DEEER ARRIVAL ROUTE.
- 8) ADDED RWY 07 TO DUCXS ARRIVAL ROUTE.
- 9) ADDED MOCAs.

REASONS:

- 1-8). ATC REQUEST.
- 9) REQUIRED BY 7100.9E.

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STAR (DATA RECORD)

Arrival Name POWTN (RNAV)	Number TWO	STAR Computer Code POWTN.POWTN2	Superseded Number ONE	Dated 08 JAN 2015	Effective Date 10 DEC 2015
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
LYH VORTAC	371516.48N / 0791410.97W	Y		IF					LYH.POWTN2
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					
DUCXS	372747.20N / 0773916.00W	Y	FO	TF	100.80	14.33			
KRIC:RWY 02,RWY 07,RWY 34				VM	141.00				
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,RWY 25				VM	071.00				

