

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SPIDR (RNAV)	FIVE	SPIDR.SPIDR5	FOUR	09/10/2020	

**TRANSITION ROUTES:**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
MONTEBELLO	MOL.SPIDR5	MOL VOR/DME	MOL VOR/DME						AT FL210
			ZUMAT	115.17	16.34	15000	6200		
			DXOON	114.83	13.50	12000	4500		
			REDNG	114.99	13.32	8000	2800		AT 13000
			HEMME	114.45	06.09	8000	1700		BETWEEN 11000 AND 12000
			SPIDR	111.70	12.35	5000	1700		AT 8000

**ARRIVAL ROUTE DESCRIPTION:**

LANDING RWY 2, 34: FROM SPIDR ON TRACK 149.04/14.46 TO CROSS DUCXS AT 4000, THEN ON HEADING 149.04. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 16, 20: FROM SPIDR ON TRACK 105.11/4.48 TO RUPRT THEN ON HEADING 080.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PBN REQUIREMENT NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY

NOTE: LANDING SOUTH USE RUNWAY 16 TRANSITION, LANDING NORTH USE RUNWAY 2 TRANSITION. EXPECT RUNWAY ASSIGNMENT FROM TRACON 10 MILES PRIOR TO SPIDR.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT HEMME: HOLD NW, LT, 114.45 INBOUND, 10 NM LEGS, 230 KIAS.

**COMMUNICATIONS:**

**AIRPORTS SERVED:**

AIRPORT ID  
RIC

CITY  
RICHMOND

STATE  
VA

**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>SPIDR (RNAV)</b>	<b>FIVE</b>	<b>SPIDR.SPIDR5</b>	<b>FOUR</b>	<b>09/10/2020</b>	

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)  
MAG VAR: RIC 10W/2020  
CHART AT RUPRT TERMINUS: RIC LDG RWY 16, 20  
CHART AT DUCXS TERMINUS: RIC LDG RWY 2, 34

**FLIGHT INSPECTED BY:**

**ORGANIZATION:** **DATE:**

MICHAEL G CAMPBELL

FPO

08/23/2024

Flight Inspected Signature:

*Digitally signed by*

**ALLAN WILL**

Aug 26, 2024

**DEVELOPED BY:**

WILLIAM D. MELTON

AJV-A423

06/11/2024

Developed By Signature:

*Digitally signed by*

**WILLIAM D MELTON**

Jul 17, 2024

*Digitally signed by*

**ALLAN WILL**

Aug 26, 2024

**APPROVED BY:**

ALLAN WILL

AJV-A423

Approved By Signature:

**CHANGES:**

- ARRIVAL ROUTE DESCRIPTION: ARRIVAL ROUTE RWY 2, 34: REMOVED MEA/MOCA, ADDED 4000 CROSSING RESTRICTION AT DUCXS, CHANGED VM HEADING FROM 151.00 TO 149.04 AND DELETED OR AS ASSIGNED BY ATC
- ARRIVAL ROUTE DESCRIPTION: ARRIVAL ROUTE RWY 16, 20: REMOVED MEA/MOCA, DELETED DEEER, ADDED ON TRACK 105.11/4.48 TO RUPRT, THEN ON HEADING 080.00. CHANGED VM LEG FROM 081.00 TO 080.00 AND DELETED OR AS ASSIGNED BY ATC.
- PBN REQUIREMENT NOTES: COMBINED RNAV 1 AND DME/DME/IRU OR GPS REQUIRED NOTES AND MOVED FROM PROCEDURAL DATA NOTES.
- EQUIPMENT REQUIREMENT NOTES: MOVED RADAR REQUIRED NOTE FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES.
- PROCEDURAL DATA NOTES: CHANGED FROM TURBOJET AIRCRAFT ONLY TO JET AIRCRAFT ONLY.
- PROCEDURAL DATA NOTES: DELETED NOTE: MAINTAIN LAST ATC ASSIGNED ALTITUDE UNTIL CLEARED TO "DESCEND VIA THE SPIDR STAR". ARTCC WILL ISSUE LANDING DIRECTION ASSIGNMENT (NORTH OR SOUTH) AND POTOMAC TRACON WILL ISSUE RUNWAY ASSIGNMENTS.
- PROCEDURAL DATA NOTES: ADDED NOTE: NOTE: LANDING SOUTH USE RUNWAY 16 TRANSITION, LANDING NORTH USE RUNWAY 2 TRANSITION. EXPECT RUNWAY ASSIGNMENT FROM TRACON 10 MILES PRIOR TO SPIDR.
- COMMUNICATIONS: DELETED ALL ENTRIES.
- AIRPORTS SERVED: REMOVED AIRPORT NAME, CHANGED AIRPORT ID FROM KRIC TO RIC.
- ADDITIONAL FLIGHT DATA: DELETED NOTE: CROSS HEMME AT 280 KIAS.
- ADDITIONAL FLIGHT DATA: ADDED CHART AT DUCXS TERMINUS: RIC LDG RWY 34, 2 AND CHART AT RUPRT TERMINUS: RIC LDG RWY 16,20.
- ADDITIONAL FLIGHT DATA: CHANGED NOTE FROM REFERENCE MAGNETIC VARIATION = KRIC 10W/2020 TO MAG VAR: RIC 10W/2020.

**REASONS:**

- FPT REQUEST.
- FPT REQUEST.
- IAW 8260.19J PARA 4-5-12.D
- IAW 8260.19J PARA 4-5-12.D
- IAW 8260.19J PARA 4-5-12.D
- ATC REQUEST.



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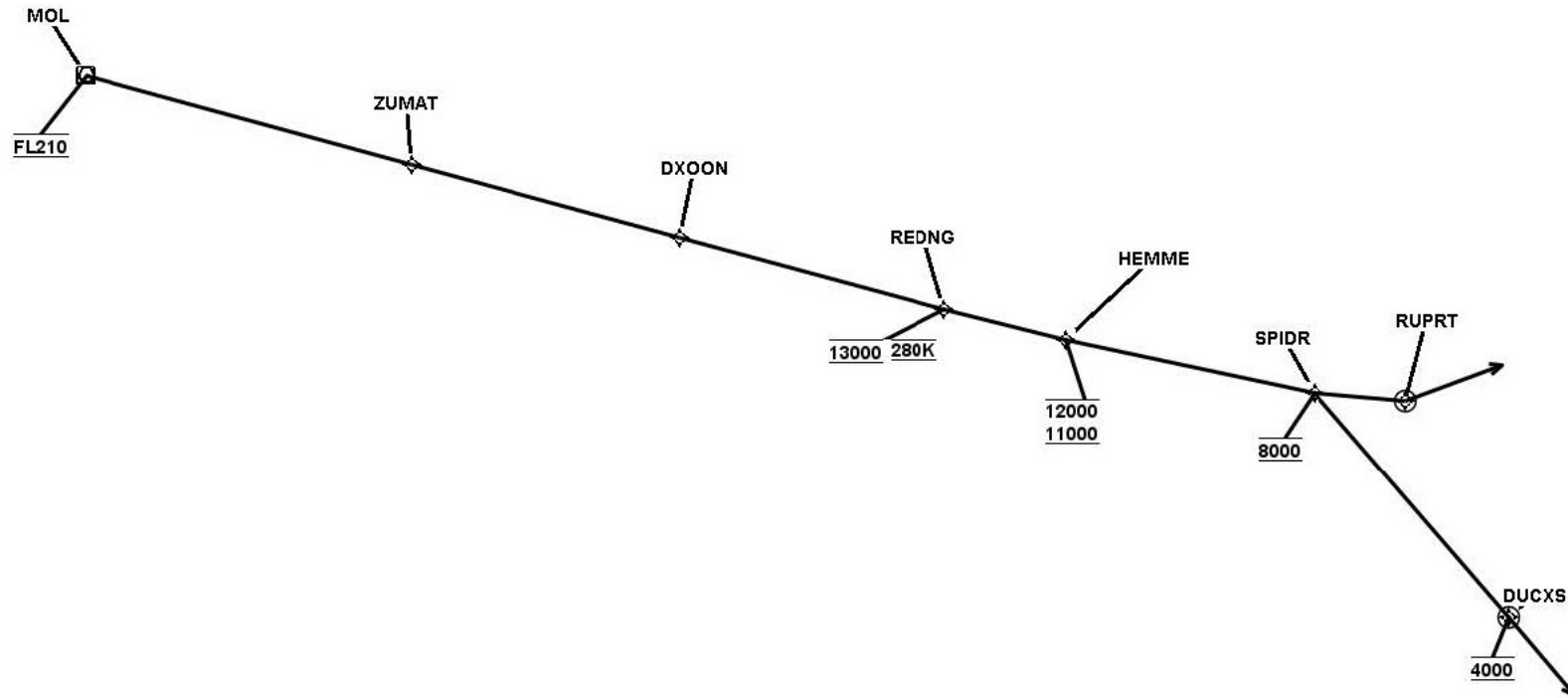
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>SPIDR (RNAV)</b>	<b>FIVE</b>	<b>SPIDR.SPIDR5</b>	<b>FOUR</b>	<b>09/10/2020</b>	
7. ATC REQUEST.					
8. IAW 8260.19J PARA 4-5-12.F.					
9. IAW 8260.19J PARA 4-5-12.G.					
10. ATC REQUEST.					
11. IAW 8260.19J PARA 4-5-12.J.(5).					
12. IAW 8260.19J PARA 4-5-12.J.(2).					



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SPIDR (RNAV)	FIVE	SPIDR.SPIDR5	FOUR	09/10/2020	
Graphic Depiction 1					



A KRIC

QUALITY  
35  
CHECKED

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name SPIDR (RNAV)	Number FIVE		STAR Computer Code SPIDR.SPIDR5		Superseded Number FOUR		Dated 09/10/2020		Effective Date
<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>
En Route Transition									
MOL VOR/DME	375401.89N / 0790624.80W	Y		IF			AT FL210		MOL.SPIDR5
ZUMAT	374943.49N / 0784630.69W	Y	FB	TF	105.17	16.34			
DXOON	374614.83N / 0783003.11W	Y	FB	TF	104.83	13.50			
REDNG	374246.66N / 0781349.96W	Y	FB	TF	104.99	13.32	AT 13000	AT 280K	
HEMME	374115.10N / 0780623.90W	Y	FB	TF	104.45	06.09	11000B12000		
SPIDR	373843.72N / 0775110.20W	Y	FB	TF	101.70	12.35	AT 8000		
Runway Transition									
SPIDR	373843.72N / 0775110.20W	Y		IF			AT 8000		
DUCXS	372747.20N / 0773916.00W	Y	FO	TF	139.04	14.46	AT 4000		
KRIC:RWY 2,RWY 34				VM	139.04				
Runway Transition									
SPIDR	373843.72N / 0775110.20W	Y		IF			AT 8000		
RUPRT	373819.64N / 0774533.13W	Y	FO	TF	095.11	04.48			
KRIC:RWY 16,RWY 20				VM	070.00				

