

**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| Arrival Name        | Number      | STAR Computer Code  | Superseded Number | Dated             | Effective Date     |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>SPIDR (RNAV)</b> | <b>FOUR</b> | <b>SPIDR.SPIDR4</b> | <b>THREE</b>      | <b>07/19/2018</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 |
|-----------------|--------------------------|-----------------|---------------|--------|----------|-------|------|-----|-------------------------|
| MONTEBELLO      | MOL.SPIDR4               | MOL VOR/DME     | MOL VOR/DME   |        |          |       |      |     | AT FL210                |
|                 |                          | MOL VOR/DME     | ZUMAT         | 115.17 | 16.34    | 15000 | 6200 |     |                         |
|                 |                          | ZUMAT           | DXOON         | 114.83 | 13.50    | 13000 | 4500 |     |                         |
|                 |                          | DXOON           | REDNG         | 114.99 | 13.32    | 13000 | 2800 |     | AT 13000                |
|                 |                          | REDNG           | HEMME         | 114.45 | 06.09    | 11000 | 1800 |     | BETWEEN 11000 AND 12000 |
|                 |                          | HEMME           | SPIDR         | 111.70 | 12.35    | 8000  | 1700 |     | AT 8000                 |

**ARRIVAL ROUTE DESCRIPTION:**

LANDING NORTH RWY 02, RWY 34: FROM SPIDR ON TRACK 149.04/14.46 TO DUCXS (MEA 4000/MOCA 2600), THEN ON HEADING 151.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.  
LANDING SOUTH RWY 16, RWY 20: FROM SPIDR ON TRACK 105.11/8.96 TO DEEER (MEA 4000/MOCA 1600), 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 SPIDR STAR". ARTCC WILL ISSUE LANDING DIRECTION ASSIGNMENT (NORTH OR SOUTH) AND POTOMAC TRACON WILL ISSUE RUNWAY ASSIGNMENTS.

**FIXES AND/OR HOLDING PATTERNS:**

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

**COMMUNICATIONS:**

POTOMAC APP CON 126.75/307.2  
RICHMOND INTL ATIS 119.15



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| Arrival Name        | Number      | STAR Computer Code  | Superseded Number | Dated             | Effective Date     |
|---------------------|-------------|---------------------|-------------------|-------------------|--------------------|
| <b>SPIDR (RNAV)</b> | <b>FOUR</b> | <b>SPIDR.SPIDR4</b> | <b>THREE</b>      | <b>07/19/2018</b> | <b>10 SEP 2020</b> |

**AIRPORTS SERVED:**

| AIRPORT NAME         | CITY     | STATE |
|----------------------|----------|-------|
| 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  
NOTE: CROSS HEMME AT 280 KIAS.

**FLIGHT INSPECTED BY:**

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

**ORGANIZATION:**

**DATE:**

*Digitally signed by*

Flight Inspected Signature: **ROBERT G HAMILTON**

May 13, 2020

*Digitally signed by*

**ROBERT G HAMILTON**

May 13, 2020

**DEVELOPED BY:**

DAN POWELL

AJV-A442

05/05/2020

Developed By Signature:

**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 AND RWY 25

**REASONS:**

- 1. RWY CLOSED, CONVERTED TO TAXIWAY



FEDERAL AVIATION ADMINISTRATION  
 FLIGHT STANDARDS SERVICE  
 STAR (DATA RECORD)

| Arrival Name | Number | STAR Computer Code | Superseded Number | Dated      | Effective Date |
|--------------|--------|--------------------|-------------------|------------|----------------|
| SPIDR (RNAV) | FOUR   | SPIDR.SPIDR4       | THREE             | 07/19/2018 | 10 SEP 2020    |

| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
|------------|----------|---|-------|----------|----|-----------|----------|-------|---------|
|------------|----------|---|-------|----------|----|-----------|----------|-------|---------|

EN ROUTE TRANSITION

|             |                          |   |    |    |        |       |             |         |            |
|-------------|--------------------------|---|----|----|--------|-------|-------------|---------|------------|
| MOL VOR/DME | 375401.89N / 0790624.80W | Y | -  | IF | -      | -     | AT FL210    |         | MOL.SPIDR4 |
| 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    |         |            |
| HEMME       | 374115.10N / 0780623.90W | Y | FB | TF | 104.45 | 06.09 | 11000B12000 | AT 280K |            |
| 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 |         |  |  |
| KRIC: RWY 02, RWY 34 |                          | - | -  | VM | 141.00 |       |         |  |  |

RUNWAY TRANSITION

|                      |                          |   |    |    |        |       |         |  |  |
|----------------------|--------------------------|---|----|----|--------|-------|---------|--|--|
| SPIDR                | 373843.72N / 0775110.20W | Y | -  | IF | -      | -     | AT 8000 |  |  |
| DEEER                | 373755.30N / 0773956.26W | Y | FO | TF | 095.11 | 08.96 |         |  |  |
| KRIC: RWY 16, RWY 20 |                          |   |    | VM | 071.00 | -     |         |  |  |

