

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

|                                 |  |  |   |                            |                           |
|---------------------------------|--|--|---|----------------------------|---------------------------|
| <u>AIRPORT ID</u><br>KRIC       | <u>PROCEDURE NAME</u><br>ILS OR LOC RWY 34<br>ILS RWY 34 (SA CAT I),<br>ILS RWY 34 (CAT II),<br>ILS RWY 34 (CAT III) | <u>ORIGINAL/AMENDMENT</u><br>15A   | <u>CITY</u><br>RICHMOND                   | <u>STATE</u><br>VA         |                           |
| <u>AIRPORT ELEVATION</u><br>168 | <u>TDZE</u><br>161   | <u>SUPERSEDED</u><br>ILS OR LOC RWY 34<br>ILS RWY 34 (SA CAT I),<br>ILS RWY 34 (CAT II),<br>ILS RWY 34 (CAT III) | <u>ORIGINAL/AMENDMENT</u><br>15           | <u>DATED</u><br>11/03/2022 | <u>MAG VAR</u><br>10W     |
| <u>FACILITY</u><br>I-BNE        | <u>COORDINATES OF FACILITIES</u>   | <u>ACTUAL EFFECTIVE DATE</u><br>15 JUNE 2023   | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      | <u>EPOCH YEAR</u><br>2020 |

**TERMINAL ROUTES**

| FROM                    | FIX TYPE | TO                 | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE     | ALTITUDE |
|-------------------------|----------|--------------------|----------|----------|-------|-----|--------|--------------|----------|
| JUVPO INT/RIC 14.28 DME | IF/IAF   | JOMUS/RIC 5.35 DME |          |          |       |     | 337.47 | 8.94 (I-BNE) | 1700     |

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 4.66 NM AFTER JOMUS/RIC 5.35 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 ON RIC VORTAC R-018 TO EPICS INT/RIC 17.27 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2000 DIRECT HPW VORTAC AND HOLD.

**PROFILE:**

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF      (IAF)
2. PROFILE STARTS AT JUVPO
3. FAF: 337.47      FAF: JOMUS/RIC 5.35 DME      DIST FAF TO MAP: 4.66      DIST FAF TO THLD: 4.66
4. MIN ALT:      JUVPO INT/RIC 14.28 DME 1700, JOMUS/RIC 5.35 DME 1700
5. DIST TO THLD FROM OM:      MM:      IM:      100 HAT: 880      150 HAT: 1834      GS ANT: 1130
6. MIN GS INCPT: 1700      GS ALT AT PFAF: JOMUS/RIC 5.35 DME 1700      OM:      MM:      IM:
7. GS ANGLE: 3.00      34:1:      20:1:      TCH: 54.4
8. MSA FROM:      RIC VORTAC 360-180 2000, 180-360 2600



**EQUIPMENT REQUIREMENTS NOTE:**

DME REQUIRED FOR LOC ONLY.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34: CAT A, B, C, D, RA 156, RVR 1400, HAT 150, DA 311 MSL.  
 CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34: CAT A, B, C, D, RA 101, RVR 1200, HAT 100, DA 261 MSL.  
 CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 34: CAT A, B, C, D, RVR 700  
 CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
 SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.  
 CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 34 CAT E VISIBILITY TO RVR 4000 AND S-LOC 34 CAT E VISIBILITY TO 1 3/8 SM.  
 CHART NOTE: DME FROM RIC VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-BNE AND RIC DME.

**ADDITIONAL FLIGHT DATA:**

HOLD S, RT, 018.29 INBOUND.  
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE HPW VORTAC, LT, 205.00 INBOUND.  
 FAS OBST: 360 AAO 372700N/0771557W.  
 CHART VDP AT 1.89 DME.  
 DISTANCE VDP TO THLD 1.19 NM.  
 CHART IN PLANVIEW: HPW VORTAC.  
 CHART CIRCLING ICON.

**MINIMUMS:**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

**ALTERNATE:** NA  ILS: STANDARD; LOC: STANDARD

| <b><u>CATEGORY:</u></b> | <b>A</b>          |               |            | <b>B</b>       |               |            | <b>C</b>       |               |            | <b>D</b>       |               |            | <b>E</b>       |               |            |
|-------------------------|-------------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|
|                         | <b>FINAL TYPE</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> | <b>HAT/HAA</b> | <b>DA/MDA</b> | <b>VIS</b> |
| S-ILS 34                | 361               | 1800          | 200        | 361            | 1800          | 200        | 361            | 1800          | 200        | 361            | 1800          | 200        | 361            | 1800          | 200        |
| S-LOC 34                | 620               | 2400          | 459        | 620            | 2400          | 459        | 620            | 4500          | 459        | 620            | 4500          | 459        | 620            | 4500          | 459        |
| CIRCLING                | 660               | 1             | 492        | 660            | 1             | 492        | 700            | 1 1/2         | 532        | 720            | 2             | 552        | 740            | 2             | 572        |

**CHANGES - REASONS**

1. REMOVED INNER MARKER FROM LINE 5 - DECOMMISSIONED



**AIRPORT ID**  
KRIC

**PROCEDURE NAME**  
ILS OR LOC RWY 34  
ILS RWY 34 (SA CAT I),  
ILS RWY 34 (CAT II),  
ILS RWY 34 (CAT III)

**ORIGINAL/AMENDMENT**  
15A

**CITY**  
RICHMOND

**STATE**  
VA

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZDC, PCT TRACON, RIC ATCT, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE** *Digitally signed by* **DATE**

**DAVID TEFFETELLER**

May 02, 2023

**DEVELOPED BY**

FRANK MOORE

*Digitally signed by*

**FRANK MOORE**

**OFFICE**

AJV-A433

**DATE**

01/06/2023

**APPROVED BY**

JOHNNIE BAKER

May 01, 2023

*Digitally signed by*

**DAVID TEFFETELLER**

May 02, 2023

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER

