

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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</u> RICHMOND INTL	<u>AIRPORT ID</u> KRIC	<u>PROCEDURE NAME</u> VOR RWY 20	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> RICHMOND	<u>STATE</u> VA	
<u>AIRPORT ELEVATION</u> 168	<u>TDZE</u> 168	<u>SUPERSEDED</u> VOR RWY 20	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 04/23/2020	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RIC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ADRR/RIC 11.01 DME/RADAR	IF	OBERG/RIC 6.00 DME/RADAR					188.00	5.01 (RIC R-008)	2000

MISSED APPROACH

MAP:

5.15 NM AFTER OBERG/RIC 6.00 DME/RADAR OR AT RIC 0.85 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 2000 ON RIC R-223 TO MATOX INT/RIC 16.29 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. PROFILE STARTS AT ADRI
3. **FAC:** 188.00 **FAF:** OBERG/RIC 6.00 DME/RADAR **DIST FAF TO MAP:** 5.15 **DIST FAF TO THLD:** 5.15
4. **MIN ALT:** ADRI/RIC 11.01 DME/RADAR 2000
8. **MSA FROM:** RIC VORTAC 360-180 2000, 180-360 2600

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.
DME OR RADAR REQUIRED.

NOTES:

CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).



ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 043.45 INBOUND.
CHART FAS OBST: 354 TANK 373536N/0771903W.
CHART VDP AT 2.24 DME
DISTANCE VDP TO THLD 1.39 NM.
FAC 343 FT L OF RWY C/L EXTENDED 3000 FT FROM THLD.
CHART CIRCLING ICON.
OBERG TO RW20: 3.26/50.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-20	660	1	492	660	1	492	660	1 3/8	492	660	1 3/8	492			
CIRCLING	660	1	492	660	1	492	700	1 1/2	532	720	2	552			

CHANGES - REASONS

1. UPDATED CHART NOTE FROM "VISIBILITY REDUCTION BY HELICOPTERS NA" TO CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19H 8-6 -11.K(3).
2. CHANGED FAS OBSTACLE FROM "335 TOWER (47-1443) 373508N0772017W" TO "354 TANK 373536N/0771903W" - NEW CONTROLLING OBSTACLE.
3. CHANGED S-20 MDA FROM "640/HAT 472, VISIBILITY CAT C 1 1/4, CAT D 1 1/2" TO MDA "660/HAT 492, VISIBILITY CATS C/D 1 3/8" - INCORPORATED NOTAM IFDC 0/6103.
4. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING RIGHT TURN TO 2000 VIA RIC R-223 TO MATOX INT/RIC 16.29 DME AND HOLD" TO "CLIMBING RIGHT TURN TO 2000 ON RIC R-223 TO MATOX INT/RIC 16.29 DME AND HOLD" - IAW 8260.46G 2-1-1 (G) 1.
5. UPDATED CHART FROM "VDP AT 2.05 DME" TO "VDP AT 2.24 DME" AND FROM "DISTANCE VDP TO THLD 1.21 NM" TO "DISTANCE VDP TO THLD 1.39 NM" - NEW TARGETS EVALUATION.
6. PREVIOUS CHANGES - S-20 MDA 660/HAT 492 ALL CATS. VISIBILITY CATS C/D 1 3/8, VISIBILITY REDUCTION BY HELICOPTERS NA. RADAR REQUIRED EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. VDP NA. VDP AT RIC 2.29 DME. CIRCLING CATS A/B/C MDA 720/HAA 552. - MADE FROM P NOTAM 1B AND 1C.

COORDINATED WITH:**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDC, PCT APCH, RIC ATCT, APT MGR, VA DOT**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE*Digitally signed by***DATE****JOHN BORDY**

Jul 30, 2020

DEVELOPED BY

JOHN BORDY (ARTHUR ULVESTAD)

*Digitally signed by***JOHN BORDY**

Jul 30, 2020

OFFICE

AJV-A422

DATE

05/01/2020

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

Jul 30, 2020

OFFICE

AJV-A420

DATE**TITLE**

MANAGER