

<b>RNAV - STANDARD</b> <b>US DEPARTMENT OF TRANSPORTATION</b> <b>FEDERAL AVIATION ADMINISTRATION</b>							<b>INSTRUMENT APPROACH PROCEDURE</b> <b>TITLE 14 CFR PART 97.33</b>										Bearings, headings, courses, 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 in feet RVR.									
TERMINAL ROUTES																	MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW34  CLIMB TO 2500 DIRECT IFPIG AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, LT, 157.37 INBOUND. CHART FAS OBST: 270 TOWER 372842N/0771817W. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. WAAS CHANNEL # 97520 REFERENCE PATH ID: W34A CHART CIRCLING ICON. LTP HAE: 15.6 M												
FAK VORTAC				IGANE (TF) (FB) (RNP 2.00)				133.69 / 31.07				3000														
HPW VORTAC (IAF)				HAGLI (TF) (FB) (RNP 1.00)				296.48 / 3.54				2500														
IGANE (IAF)				HAGLI (TF) (FB) (RNP 1.00)				047.48 / 8.00				2500														
HAGLI (IF)				JOMUS (TF) (FB) (RNP 1.00)				337.54 / 6.01				1700														
JOMUS (FAF)				YUTUP/1.40 NM TO RW34 (TF) (FB) (RNP 0.30)				337.50 / 3.26																		
(SEE FORM 8260-10)																										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HAGLI 3. FAC: 337.50 FAF: JOMUS DIST FAF TO MAP: 4.66 THLD: 4.66 4. MIN. ALT: HAGLI 2500, JOMUS 1700, YUTUP/1.40 NM TO RW34 660* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: JOMUS 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.4 20:1 IS CLEAR 34:1 IS CLEAR 8. MSA FROM: RW34 2600																	MAG VAR: 10W					EPOCH YEAR: 2020				
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD														
CATEGORY =====>		A			B			C			D			E												
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA											
LPV DA	361	1800	200	361	1800	200	361	1800	200	361	1800	200														
LNAV/VNAV DA	530	3700	369	530	3700	369	530	3700	369	530	3700	369														
LNAV MDA	520	2400	359	520	2400	359	520	3000	359	520	3000	359														
CIRCLING	660	1	492	660	1	492	700	1 1/2	532	720	2	552														
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 54C (130F). PBN REQUIREMENTS NOTE: RNP APCH *LNAV ONLY CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/4 SM AND LNAV CATS C (CONTINUED ON PAGE 2)																										
CITY AND STATE				ELEVATION: 168 TDZE: 161				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:										
RICHMOND, VA				AIRPORT NAME:				RNAV				RNAV (GPS) Z RWY 34, AMDT 1D				AMDT: 1C										
				RICHMOND INTL								19 JULY 2018				DATED 08/17/2017										

QUALITY  
 25  
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

**TERMINAL ROUTES, (CONT.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
YUTUP/1.40 NM TO RW34	RW34 (MAP) (TF) (FO) (RNP 0.30)	337.50 / 1.40	
RW34 (MAP)	361 MSL (CA)	337.50	
361 MSL	IFPIG (DF) (FO) (RNP 1.00)		2500

**NOTES, (CONT.):**

AND D VISIBILITY TO RVR 5500.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FAK VORTAC AIRWAY RADIALS 100 CW 220.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HPW VORTAC AIRWAY RADIALS 205 CW 323.

QUALITY  
25  
CHECKED

CITY AND STATE

RICHMOND, VA

**ELEVATION: 168**

**TDZE: 161**

AIRPORT NAME:

RICHMOND INTL

FACILITY  
IDENTIFIER:  
**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**RNAV (GPS) Z RWY 34, AMDT 1D**

19 JULY 2018

SUP:

AMDT: **1C**

DATED: **08/17/2017**

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRIC
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	372944.8530N
LTP/FTP LONGITUDE	0771824.7845W
LTP/FTP ELLIPSOIDAL HEIGHT	+00156
FPAP LATITUDE	373100.0630N
FPAP LONGITUDE	0771925.0095W
THRESHOLD CROSSING HEIGHT (TCH)	00054.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 185C74F9

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00489
FPAP ORTHOMETRIC HEIGHT	+00489

QUALITY  
25  
CHECKED

CITY AND STATE  RICHMOND, VA	ELEVATION: 168 AIRPORT NAME:  RICHMOND INTL	TDZE: 161  RICHMOND INTL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  RNAV (GPS) Z RWY 34, AMDT 1D 19 JULY 2018	SUP:
					AMDT: 1C
					DATED: 08/17/2017