

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RIC VORTAC	SALPE (FO)	198.86 / 15.18	2000	LPV: DA LNAV/VNAV: DA LNAV: RW33
JUNKI (IAF)	SALPE (NOPT) (FB)	331.27 / 4.01	2000	
SALPE (IF/IAF)	PUBBS (FB)	331.20 / 6.02	2000	CLIMB TO 3000 DIRECT DOCEV AND HOLD.
PUBBS (FAF)	RW33 (MAP) (FO)	331.15 / 5.41		
RW33 (MAP)	492 MSL	331.15		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 151.00 INBOUND. CHART FAS OBST: 283 TREE 372332N/0773028W CHART FAS OBST: 350 TOWER 372238N/0773026W DISTANCE TO THLD FROM 299 HATH: 0.82 NM. CHART VDP AT 1.48 MILES TO RW33* *LNAV ONLY.
492 MSL	DOCEV (FO)		3000	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE SALPE, LT, 331.20 INBOUND, 2000 FT. IN LIEU OF PT (IF/IAF)
3. FAC: 331.15 FAF: PUBBS DIST FAF TO MAP: 5.41 THLD: 5.41
4. MIN. ALT: SALPE 2000, PUBBS 2000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2000 GS ALT AT: PUBBS 2000 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 48.8 34:1 IS CLEAR
8. MSA FROM: RW33 2600

WAAS CHANNEL # 56221
REFERENCE PATH ID: W33A
LTP HAE: 27.5 M

MAG VAR: 10W EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>	ALTERNATE: <input type="checkbox"/> N <input type="checkbox"/> A <input type="checkbox"/> X														
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	492	1/2	293	492	1/2	293	492	1/2	293	492	1/2	293			
LNAV/VNAV DA	580	1	381	580	1	381	580	1	381	580	1	381			
LNAV MDA	720	1/2	521	720	1/2	521	720	1	521	720	1	521			
CIRCLING	720	1	484	720	1	484	720	1 1/2	484	800	2	564			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICHMOND INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET AND INCREASE LPV ALL CATS VISIBILITY AND CIRCLING CAT C 1/8 MILE AND LNAV CATS C-D VISIBILITY 1/4 MILE.
 (SEE FORM 8260-10)



CITY AND STATE RICHMOND, VA	ELEVATION: 236 THRE: 199 AIRPORT NAME: RICHMOND EXECUTIVE-CHESTERFIELD COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG-B 7 MARCH 2013	SUP: AMDT: ORIG-A DATED 09/25/2008
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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.

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LPV ALL CATS VISIBILITY 1/2 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING RICHMOND INTL ALTIMETER SETTING.



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**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	KFCI
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	372402.0050N
LTP/FTP LONGITUDE	0773107.9955W
LTP/FTP ELLIPSOIDAL HEIGHT	+00275
FPAP LATITUDE	372511.4400N
FPAP LONGITUDE	0773218.2200W
THRESHOLD CROSSING HEIGHT (TCH)	00048.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 84557372

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00606
FPAP ORTHOMETRIC HEIGHT	+00606



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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.33

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	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KFCIK6SRW33 K6PG	0	18018002625									M	



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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	JUNKI	JUNKI	010	IAF	IF		FB					
	JUNKI	SALPE	020		TF		FB	1.0	331.3 (321.3T)	004.0	AA 02000	
	RIC	RIC	010		IF		FB					
	RIC	SALPE	020		TF		FO	2.0	198.9 (188.9T)	015.2	AA 02000	
	RIC	SALPE	030	IAF	HF	L	FO		331.2 (321.2T)	004.0	AA 02000	
		SALPE	010	FACF	IF		FB				AA 02000	
		PUBBS	020	FAF	TF		FB	0.5	331.2 (321.2T)	006.0	AA 02000	
		RW33	030	MAP	TF		FO	0.3	331.2 (321.2T)	005.4	AT 00248	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		331.2 (321.2T)		AA 00492	
	DOCEV	050		DF		FO				AA 03000	
	DOCEV	060		HM	R	FO		151.0 (141.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	RIC	N373008.46	W0771913.00	N3730.141	W07719.217
	DOCEV	N373452.11	W0774207.47	N3734.869	W07742.125
	JUNKI	N371159.11	W0771859.94	N3711.985	W07718.999
	PUBBS	N371948.74	W0772652.27	N3719.812	W07726.871
	SALPE	N371507.21	W0772208.72	N3715.120	W07722.145
	RW33	N372402.01	W0773108.00	N3724.034	W07731.133

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00199	50

QUALITY
&
CHECKED

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				7 MARCH 2013	DATED: 09/25/2008