

RNAV (RNP) - 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										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		RNP: DA									
DEER (IAF)		SOOBY (TF) (FB) (RNP 1.00)		102.46 / 6.44				4000		CLIMB TO 2500 ON TRACK 156.45 TO HAGLI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 336.54 INBOUND. CHART FAS OBST: 230 BLDG 373133N/0771937W CHART FAS OBST: 321 TOWER 373156N/0771933W DISTANCE TO THLD FROM 339 HATH: 0.89 NM. CHART MANDATORY 4000 AT DUCXS AND DEER. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S CHART AT OR ABOVE 3000 AT TIRTL AND IFPIG. ROUTE TYPE: A, H #TCH 221.4 MSL (DO NOT CHART) CHART AT OR ABOVE 4000 AT AYDEE.									
DUCXS (IAF)		TONEO (TF) (FB) (RNP 1.00)		065.85 / 9.43				3000											
TONEO (IF)		SEZZZ (TF) (FB) (RNP 1.00)		066.37 / 3.11				2300											
IFPIG (IF)		AAVVA (TF) (FB) (RNP 1.00)		156.35 / 6.71				2000											
TIRTL (IF)		UDADE (TF) (FB) (RNP 1.00)		211.34 / 4.62				1900											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT OPUKE _____ 3. FAC: 156.44 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: OPUKE 1300 _____ 5. DIST TO THLD FROM OM: 3.39 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1300 GS ALT AT: OPUKE 1300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.4# 34:1 IS NOT CLEAR 8. MSA FROM: RW16 2600 _____																			
										MAG VAR: 9W			EPOCH YEAR: 1985						
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
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			
AUTHORIZATION REQUIRED																			
RNP 0.11 DA		506	4000	339	506	4000	339	506	4000	339	506	4000	339						
RNP 0.30 DA		606	5000	439	606	5000	439	606	5000	439	606	5000	439						
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -11C (13F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE AT TONEO : MAX 210 KIAS. (SEE FORM 8260-10)																			
CITY AND STATE		ELEVATION: 167 THRE: 167			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:					
RICHMOND, VA		AIRPORT NAME: RICHMOND INTL						RNAV (RNP) Y RWY 16, ORIG 24 JULY 2014						AMDT: NONE					
														DATED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AYDEE (IF)	SKULK (TF) (FB) (RNP 1.00)	336.46 / 3.03	3200
SOOBY (IF)	ZAXET (TF) (FB) (RNP 1.00)	120.32 / 7.37	1700
SKULK	UDADE (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBNC))/5.46	1900
SEZZZ	ZAXET (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CW (CFBNB))/2.36	1700
ZAXET	OPUKE (RF) (FB) (RNP 0.75)	(2.50 NM RADIUS CW (CFBNB))/1.57	1300
UDADE	OPUKE (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFBNC))/2.39	1300
AAVVA	OPUKE (TF) (FB) (RNP 1.00)	156.45 / 3.07	1300
OPUKE (FAF)	RW16 (MAP) (TF)	156.44 / 3.39	
RW16 (MAP)	HAGLI (TF) (FO) (RNP 1.00)	156.45 / 13.36	2500

NOTES, (CONT.):

CHART PLANVIEW NOTE AT SOOBY : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT TIRTL : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT AYDEE : MAX 210 KIAS.
 CHART PLANVIEW NOTE AT AAVVA : MAX 210 KIAS.
 CHART PLANVIEW NOTE ADJACENT TO DUCXS AND DEER IAF: RF REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO AYDEE AND TIRTL: RF REQUIRED.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 ALL CATS VISIBILITY TO RVR 5500 AND RNP 0.30
 ALL CATS VISIBILITY TO 1 1/2 MILES.
 CHART PLANVIEW NOTE ADJACENT TO AYDEE: RADAR REQUIRED .
 CHART PLANVIEW NOTE ADJACENT TO TIRTL: RADAR REQUIRED.
 CHART PLANVIEW NOTE ADJACENT TO IFPIG: RADAR REQUIRED.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART PLANVIEW NOTE AT DUCXS: (RNP 0.75)
 CHART PLANVIEW NOTE AT DEER: (RNP 0.75)



CITY AND STATE RICHMOND, VA	ELEVATION: 167 THRE: 167	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 16, ORIG 24 JULY 2014	SUP:
	AIRPORT NAME: RICHMOND INTL			AMDT: NONE
	DATED:			

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (RNP)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRICK6FH16-Y	AAYDEE	010AYDEEK6PC0E	B	IF				+	04000	18000210		A-FS
SUSAP	KRICK6FH16-Y	AAYDEE	020SKULKK6PC0E		010TF				+	03200			A FS
SUSAP	KRICK6FH16-Y	AAYDEE	030UDADEK6PC0E	L010RF		0025003365	21130055		+	01900		CFBNC K6PCA	FS
SUSAP	KRICK6FH16-Y	AAYDEE	040OPUKEK6PC0EE	L010RF		0025002113	15640024		+	01300		CFBNC K6PCA	FS
SUSAP	KRICK6FH16-Y	ADEEER	010DEEERK6PC0E	A	IF					04000	18000		A FS
SUSAP	KRICK6FH16-Y	ADEEER	020SOOBYK6PC0E	B	010TF				+	04000	210		A-FS
SUSAP	KRICK6FH16-Y	ADEEER	030ZAXETK6PC0E		010TF				+	01700			A FS
SUSAP	KRICK6FH16-Y	ADEEER	040OPUKEK6PC0EE	R752RF		0025001203	15640016		+	01300		CFBNB K6PCA	FS
SUSAP	KRICK6FH16-Y	ADUCXS	010DUCXSK6PC0E	A	IF					04000	18000		A FS
SUSAP	KRICK6FH16-Y	ADUCXS	020TONBOK6PC0E	B	010TF				+	03000	210		A-FS
SUSAP	KRICK6FH16-Y	ADUCXS	030SEZZK6PC0E		010TF				+	02300			A FS
SUSAP	KRICK6FH16-Y	ADUCXS	040ZAXETK6PC0E	R010RF		0025000664	12030024		+	01700		CFBNB K6PCA	FS
SUSAP	KRICK6FH16-Y	ADUCXS	050OPUKEK6PC0EE	R752RF		0025001203	15640016		+	01300		CFBNB K6PCA	FS
SUSAP	KRICK6FH16-Y	AIFPIG	010IFPIGK6PC0E	B	IF				+	03000	18000		A FS
SUSAP	KRICK6FH16-Y	AIFPIG	020AAVAK6PC0E		010TF				+	02000	210		A-FS
SUSAP	KRICK6FH16-Y	AIFPIG	030OPUKEK6PC0EE		010TF				+	01300			A FS

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				AMDT: NONE
				DATED:

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SUSAP	KRICK6FH16-Y	ATIRTL	010TIRTLK6PCOE	B	IF			+ 03000	18000210		A-FS
SUSAP	KRICK6FH16-Y	ATIRTL	020UDADEK6PCOE		010TF			+ 01900			A FS
SUSAP	KRICK6FH16-Y	ATIRTL	030OPUKEK6PCOEE	L010RF		0025002113	15640024	+ 01300		CFBNC	K6PCA FS
SUSAP	KRICK6FH16-Y	H	020OPUKEK6PC1E	F	IF			+ 01300	18000	RW16	K6PGA FS
SUSAP	KRICK6FH16-Y	H	020OPUKEK6PC2W						A031A112		FS
SUSAP	KRICK6FH16-Y	H	030RW16	K6PG0GY	M	031TF		00221		-300	A FS
SUSAP	KRICK6FH16-Y	H	040HAGLIK6PCOEYM		010TF			+ 02500			A FS
SUSAP	KRICK6FH16-Y	H	050HAGLIK6PCOEE	R	HM		33650060	+ 02500			A FS

[illegible][illegible]

CITY AND STATE
RICHMOND, VA

ELEVATION: 167	THRE: 167
AIRPORT NAME: RICHMOND INTL	

FACILITY
IDENTIFIER:
| RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (RNP) Y RWY 16, ORIG
24 JULY 2014

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AMDT:	NONE
DATED:	

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AYDEE	AYDEE	010		IF		FB				AA 04000	AB 210
	AYDEE	SKULK	020		TF		FB	1.0			AA 03200	
	AYDEE	UDADE	030		RF	L	FB	1.0		005.5	AA 01900	
	AYDEE	OPUKE	040		RF	L	FB	1.0		002.4	AA 01300	
	DEEER	DEEER	010	IAF	IF		FB				AT 04000	
	DEEER	SOOBY	020		TF		FB	1.0			AA 04000	AB 210
	DEEER	ZAXET	030		TF		FB	1.0			AA 01700	
	DEEER	OPUKE	040		RF	R	FB	0.75		001.6	AA 01300	
	DUCKS	DUCKS	010	IAF	IF		FB				AT 04000	
	DUCKS	TONEO	020		TF		FB	1.0			AA 03000	AB 210
	DUCKS	SEZZZ	030		TF		FB	1.0			AA 02300	
	DUCKS	ZAXET	040		RF	R	FB	1.0		002.4	AA 01700	
	DUCKS	OPUKE	050		RF	R	FB	0.75		001.6	AA 01300	
	IFPIG	IFPIG	010		IF		FB				AA 03000	
	IFPIG	AAVVA	020		TF		FB	1.0			AA 02000	AB 210
	IFPIG	OPUKE	030		TF		FB	1.0			AA 01300	
	TIRTL	TIRTL	010		IF		FB				AA 03000	AB 210
	TIRTL	UDADE	020		TF		FB	1.0			AA 01900	
	TIRTL	OPUKE	030		RF	L	FB	1.0		002.4	AA 01300	
		OPUKE	020	FAF	IF		FB				AA 01300	
		RWL6	030	MAP	TF		FO	0.3			AT 00221	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	HAGLI	040		TF		FO	1.0			AA 02500	
	HAGLI	050		HM	R	FO		336.5 (327.5T)	006.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AAVVA	N373626.86	W0772347.02	N3736.448	W07723.784
	AYDEE	N373359.69	W0771421.25	N3733.995	W07714.354
	CFBNB	N373230.53	W0772421.32	N3732.509	W07724.355
	CFBNC	N373512.20	W0771903.31	N3735.203	W07719.055
	DEEER	N373755.30	W0773956.26	N3737.922	W07739.938
	DUCKS	N372747.20	W0773916.00	N3727.787	W07739.267
	HAGLI	N372044.23	W0771113.06	N3720.737	W07711.218
	IFPIG	N374206.49	W0772820.45	N3742.108	W07728.341
	OPUKE	N373351.39	W0772142.36	N3733.857	W07721.706
	SEZZZ	N373437.07	W0772602.93	N3734.618	W07726.049
	SKULK	N373633.05	W0771624.26	N3736.551	W07716.404
	SOOBY	N373731.66	W0773150.86	N3737.528	W07731.848
	TIRTL	N374026.21	W0771945.21	N3740.437	W07719.754

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	TONEO	N373256.49	W0772920.37	N3732.942	W07729.340
	UDADE	N373609.25	W0772157.90	N3736.154	W07721.965
	ZAXET	N373450.36	W0772312.49	N3734.839	W07723.208
	RW16	N373059.89	W0771924.88	N3730.998	W07719.415
RUNWAY DATA		THRESHOLD			
	RWY	ELEVATION	TCH		
	RW16	00167	54		

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