

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														MISSED APPROACH						
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LP: ANYAB LNAV: ANYAB							
BRV VORTAC (IAF)				HANOK (FB)			009.79 / 14.42				3000		CLIMBING LEFT TURN TO 3000 DIRECT CSN VORTAC AND HOLD.							
HANOK (IF)				PEZSY (FB)			329.56 / 5.31				2000									
PEZSY (FAF)				CEPTO/3.23 NM TO ANYAB (FB)			325.89 / 2.32													
CEPTO/3.23 NM TO ANYAB				ANYAB (MAP) (FO)			325.89 / 3.23													
ANYAB (MAP)				592 MSL			325.89				3000		ADDITIONAL FLIGHT DATA: HOLD SW, LT, 027.00 INBOUND. CHART FAS OBST: 379 TREE 384039N/0772848W CHART FAS OBST: 425 TREE 384029N/0772806W CHART 874 TOWER 383926N/0772559W. CHART 1048 MSL TOWER 383745N/0772622W. 529 AAO 384004N/0772802W. CHART R6608 A, B, & C. WAAS CHANNEL # 56239 REFERENCE PATH ID: W34B PEZSY TO RW34L: 2.79/40. CHART CIRCLING ICON. CHART VDP AT 0.85 MILES TO ANYAB. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.78 DEGREES. FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD. FTP HAE: 21.3 M FICTIOUS THRESHOLD POINT (CFBDR) DO NOT CHART MAG VAR: 10W EPOCH YEAR: 2000							
592 MSL				CSN VORTAC (FO)																
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)														ADDITIONAL FLIGHT DATA: HOLD SW, LT, 027.00 INBOUND. CHART FAS OBST: 379 TREE 384039N/0772848W CHART FAS OBST: 425 TREE 384029N/0772806W CHART 874 TOWER 383926N/0772559W. CHART 1048 MSL TOWER 383745N/0772622W. 529 AAO 384004N/0772802W. CHART R6608 A, B, & C. WAAS CHANNEL # 56239 REFERENCE PATH ID: W34B PEZSY TO RW34L: 2.79/40. CHART CIRCLING ICON. CHART VDP AT 0.85 MILES TO ANYAB. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 14.78 DEGREES. FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD. FTP HAE: 21.3 M FICTIOUS THRESHOLD POINT (CFBDR) DO NOT CHART MAG VAR: 10W EPOCH YEAR: 2000						
2. PROFILE STARTS AT HANOK																				
3. FAC: 325.89 FAF: PEZSY DIST FAF TO MAP: 5.55 THLD: 5.99																				
4. MIN. ALT: HANOK 3000, PEZSY 2000, CEPTO/3.23 NM TO ANYAB 1260																				
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:																				
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:																				
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR																				
8. MSA FROM: ANYAB 3400																				
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					
LP MDA	640	1	458	640	1	458	640	1 3/8	458	640	1 3/8	458								
LNAV MDA	680	1	498	680	1	498	680	1 3/8	498	680	1 3/8	498								
CIRCLING	720	1	528	740	1	548	840	1 3/4	648	880	2 1/4	688								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WASHINGTON DULLES INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET; INCREASE LNAV CAT C/D AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE. (SEE FORM 8260-10)																				
CITY AND STATE WASHINGTON, DC				ELEVATION: 192 TDZE: 182 AIRPORT NAME: MANASSAS RGNL/HARRY P DAVIS FIELD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34L, ORIG 10 DECEMBER 2015				SUP: AMDT: NONE DATED						

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRV VORTAC ON V286 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI {ANGLE} TCH {FEET}).

CITY AND STATE WASHINGTON, DC	ELEVATION: 192 AIRPORT NAME: MANASSAS RGNL/HARRY P DAVIS FIELD	TDZE: 182	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34L, ORIG 10 DECEMBER 2015	SUP:
					AMDT: NONE
					DATED:

QUALITY
22
CHECKED

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

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHEF
RUNWAY	RW34L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34B
LTP/FTP LATITUDE	384258.8810N
LTP/FTP LONGITUDE	0773059.7850W
LTP/FTP ELLIPSOIDAL HEIGHT	+00213
FPAP LATITUDE	384402.8455N
FPAP LONGITUDE	0773219.1280W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	02.79
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

5E40307E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00534
FPAP ORTHOMETRIC HEIGHT	+00534

CITY AND STATE

WASHINGTON, DC

ELEVATION: 192

TDZE: 182

AIRPORT NAME:

MANASSAS RGNL/HARRY P DAVIS FIELD

FACILITY
IDENTIFIER:
RNAV
 PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34L, ORIG
 10 DECEMBER 2015

SUP:

AMDT:

DATED:

 QUALITY
4
CHECKED

NONE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.		
ARINC SUMMARY - KHEF														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BRV	010	BRV	IF	FB										V A
BRV	020	HANOK	TF	FB	1.0	009.8						AA 03000		EE B
	010	HANOK	IF	FB								AA 03000		E I
	020	PEZSY	TF	FB	0.5	329.6				ANYAB		AA 02000		E F
	021	CEPTO	TF	FB	0.3	325.9		2.79				AA 01260 GS 01313		E S
	030	ANYAB	TF	FO	0.3	325.9		2.79				AT 00215		EY M
	040		CA	FB		325.9						AA 00592		M
	050	CSN	DF	FO					L			AA 03000		VY
	060	CSN	HM	FO		027.0			L			AA 03000		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BRV			N382010.53			W0772110.32								
CSN			N383828.33			W0775155.80								
ANYAB			N384238.31			W0773034.29								
CEPTO			N384019.48			W0772741.62								
HANOK			N383436.49			W0772114.38								
PEZSY			N383839.27			W0772538.35								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE				THRESHOLD LONGITUDE				THRESHOLD ELEVATION			PROCEDURE TCH	
RW34L		N384304.15				W0773052.86				00175			40	

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	<div style="color: green; font-weight: bold; transform: rotate(-15deg); display: inline-block;"> QUALITY 4 CHECKED </div>			