

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	LPV: DA LNAV/VNAV: DA LNAV: RW20 CLIMB TO 2300 DIRECT NUTTY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 021.77 INBOUND. CHART FAS OBST: 161 T-L TWR 370906N/0762943W CHART FAS OBST: 159 TREE 370917N/0762937W CHART 236 TOWER 371054N/0762910W CHART 504 STACK 371255N/0762740W DISTANCE TO THLD FROM 337 HAT: 0.93 NM. CHART VDP AT 1.11 NM TO RW20* *LNAV ONLY. WAAS CHANNEL # 97420 REFERENCE PATH ID: W20A CHART CIRCLING ICON. LTP HAE: -23.2 M											
ORF VORTAC	PANLE (TF) (FO) (RNP 2.00)	344.71 / 28.26	2000												
CCV VORTAC (IAF)	PANLE (NOPT) (TF) (FB) (RNP 1.00)	274.96 / 21.38	2000												
HCM VORTAC (IAF)	PANLE (NOPT) (TF) (FB) (RNP 1.00)	129.64 / 14.91	2000												
PANLE (IF/IAF)	RACOT (TF) (FB) (RNP 1.00)	201.84 / 6.03	1700												
RACOT (FAF)	ROBOY/2.20 NM TO RW20 (TF) (FB) (RNP 0.30)	201.82 / 2.81													
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N PANLE, RT, 201.84 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 201.82 FAF: RACOT DIST FAF TO MAP: 5.00 THLD: 5.00 4. MIN. ALT: PANLE 2000, RACOT 1700, ROBOY/2.20 NM TO RW20 780* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: RACOT 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR 8. MSA FROM: RW20 2300				MAG VAR: 9W EPOCH YEAR: 1985											
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	379	1 1/8	337	379	1 1/8	337	379	1 1/8	337	379	1 1/8	337			
LNAV/VNAV DA	474	1 1/2	432	474	1 1/2	432	474	1 1/2	432	474	1 1/2	432			
LNAV MDA	440	1	398	440	1	398	440	1 1/8	398	440	1 1/8	398			
CIRCLING	520	1	478	540	1	498	740	2	698	780	2 1/4	738			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CCV VORTAC ON V286 SOUTHEAST BOUND. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.															
CITY AND STATE		ELEVATION: 42 TDZE: 42		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
NEWPORT NEWS, VA		AIRPORT NAME:		NEWPORT NEWS/WILLIAMSBURG INTL		RNAV (GPS) RWY 20, AMDT 2B				AMDT: 2A					
						22 JUNE 2017				DATED 10/17/2013					



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

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
ROBOY/2.20 NM TO RW20	RW20 (MAP) (TF) (FO) (RNP 0.30)	201.82 / 2.20	
RW20 (MAP)	379 MSL	201.82	
379 MSL	NUTYI (DF) (FO) (RNP 1.00)		2300

QUALITY
16
CHECKED

CITY AND STATE
NEWPORT NEWS, VA

ELEVATION: 42 **TDZE: 42**
 AIRPORT NAME:
NEWPORT NEWS/WILLIAMSBURG INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20, AMDT 2B
 22 JUNE 2017

SUP:
 AMDT: **2A**
 DATED: **10/17/2013**

**RNAV 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	KPHF
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	370830.8570N
LTP/FTP LONGITUDE	0762939.9740W
LTP/FTP ELLIPSOIDAL HEIGHT	-00232
FPAP LATITUDE	370703.8575N
FPAP LONGITUDE	0763004.6745W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0760
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

7DF59FC2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00128
FPAP ORTHOMETRIC HEIGHT	+00128

QUALITY
16
CHECKED

CITY AND STATE NEWPORT NEWS, VA	ELEVATION: 42 TDZE: 42 AIRPORT NAME: NEWPORT NEWS/WILLIAMSBURG INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 20, AMDT 2B 22 JUNE 2017	SUP:
				AMDT: 2A
				DATED: 10/17/2013