

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> PHF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> NEWPORT NEWS	<u>STATE</u> VA
<u>AIRPORT ELEVATION</u> 42	<u>TDZE</u> 38	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 05/21/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MARCH 2026	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 9W
				<u>EPOCH YEAR</u> 1985
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HCM VORTAC		NUTIY		TF	FO	1.00	174.57	31.13	2300
WAKS		NUTIY		TF	FO	1.00	113.02	25.71	2300
EVINN	IAF	NUTIY	NOPT	TF	FB	1.00	302.26	15.16	2300
NUTIY	IF/IAF	BCOAT		TF	FB	1.00	021.77	5.97	1700
BCOAT	FAF	SOLOC/1.77 NM TO RW02		TF	FB	0.30	021.79	3.27	
SOLOC/1.77 NM TO RW02		RW02	MAP	TF	FO	0.30	021.79	1.77	
RW02	MAP	241 MSL		CA			021.79		
241 MSL		PANLE		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW02

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT PANLE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S NUTIY, RT, 021.77 INBOUND, 2300 IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 021.79	FAF: BCOAT		DIST FAF TO MAP: 5.03	DIST FAF TO THLD: 5.03	
4. MIN ALT: NUTIY 2300, BCOAT 1700, SOLOC/1.77 NM TO RW02 660					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	203 HAT: 0.45	GS ANT:
6. MIN GP INCPT: 1700	GP ALT AT PFAF: BCOAT 1700			OM:	MM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 60.0		IM:
8. MSA FROM: RW02 2300					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ORF ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORF ALTIMETER SETTING AND INCREASE LPV DA TO 289 FEET; INCREASE LNAV/VNAV DA TO 524 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 201.84 INBOUND.
CHART FAS OBST: 198 CONTROL_TOWER (51-002552) 370747N/0763016W.
CHART VDP AT 1.16 NM TO RW02.
WAAS CHANNEL # 61020
REFERENCE PATH ID: W02A
LTP HAE: -24.7 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	241	1	203	241	1	203	241	1	203	241	1	203			
LNAV/VNAV DA	460	1 1/4	422	460	1 1/4	422	460	1 1/4	422	460	1 1/4	422			
LNAV MDA	460	1	422	460	1	422	460	1 1/4	422	460	1 1/4	422			
CIRCLING	520	1	478	540	1	498	760	2	718	780	2 1/4	738			



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED RNP VALUE FROM "2.00" TO "1.00" FOR HCM VORTAC TO NUTIIY SEGMENT – IAW 8260.58C 2-3-1
2. TERMINAL ROUTES: CHANGED WAKIS TO NUTIIY SEGMENT FROM INTIAL TO FEEDER – TURN IS GREATER THAN 90 DEGREES
3. TERMINAL ROUTES: UPDATED DISTANCE FOR NUTIIY TO BCOAT SEGMENT FROM "6.04" TO "5.97" – FIX BCOAT MOVED WITH NEW TARGETS CALCULATION
4. TERMINAL ROUTES: UPDATED INFORMATION FOR BCOAT TO SOLOC SEGMENT, SOLOC DESCRIPTION FROM "SOLOC/1.80 NM TO RW02" TO "SOLOC/1.77 NM TO RW02", DISTANCE FROM "3.16" TO "3.27" – FIXES BCOAT AND SOLOC MOVED WITH NEW TARGETS CALCULATION
5. PROFILE LINE 2: ADDED "MAX 6000" – IAW 8260.19K 8-6-7
6. PROFILE LINE 3: UPDATED DIST FAF TO MAP/DIST FAF TO THLD FROM "4.96" TO "5.03" – BCOAT(FAF) MOVED WITH NEW TARGETS CALCULATION
7. PROFILE LINE 4: REMOVED "*" FROM SOLOC/1.77 NM TO RW02 660 – NO LONGER REQUIRED
8. PROFILE LINE 7: ADDED "20:1: IS CLEAR" – IAW 8260.19K 8-6-7
9. PBN REQUIREMENTS NOTE: ADDED "RNP APCH - GPS." – IAW 8260.19K 8-6-8
10. NOTES: UPDATED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F)." TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C." – NEW COLD WEATHER DATA
11. NOTES: REMOVED "CHART NOTE: DME/DME RNP-0.3 NA." – NO LONGER REQUIRED
12. NOTES: ADDED "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ORF ALTIMETER SETTING." – IAW 8260.19K 8-6-10
13. NOTES: ADDED BACKUP ALTIMETER NOTE "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORF ALTIMETER SETTING AND INCREASE LPV DA TO 289 FEET; INCREASE LNAV/VNAV DA TO 524 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM." – IAW 8260.19K 8-6-10
14. ADDITIONAL FLIGHT DATA: REMOVED "CHART FAS OBST: 191 TOWER 370619N/0763015W" – NO LONGER RELEVANT OBSTACLE
15. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "CHART FAS OBST: 198 CTRL TWR 370747N/0763016W" TO "CHART FAS OBST: 198 CONTROL_TOWER (51-002552) 370747N/0763016W." – SAME OBST JUST UPDATED WITH OEAA NUMBER
16. ADDITIONAL FLIGHT DATA: UPDATED VDP NOTE FROM "CHART VDP AT 1.14 NM TO RW02*" TO "CHART VDP AT 1.16 NM TO RW02." – FAF DISTANCES CHANGED WITH NEW TARGETS CALCULATION
17. ADDITIONAL FLIGHT DATA: REMOVED "*LNAV ONLY." – NO LONGER REQUIRED
18. MINIMUMS: LNAV/VNAV VISIBILITY DECREASED FROM "1 1/2" TO "1 1/4" – NEW TARGETS EVALUATION
19. MINIMUMS: LNAV/VNAV DA/HAT DECREASED FROM "476/438" TO "460/422" - MATCH LNAV MINIMUMS IAW LOWERING LPV AND LNAV VNAV MINIMUMS MEMO DATED 05/20/2025
19. FAS DATA BLOCK INFORMATION: CRC REMAINDER CHANGED FROM "83CF64B2" TO "1D630E11" – FPAP COORDINATES CHANGED FROM 370854.9335N/0762933.1350W TO 370854.9340N/0762933.1405W

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZDC, ORF APP CON, PHF ATCT, AMGR, VA DOT

FLIGHT CHECKED BY

MICHAEL G CAMPBELL

Digitally signed by

ROBERT G HAMILTON

Dec 22, 2025

OFFICE

AJF

DATE

12/19/2025

DEVELOPED BY

DEVON KERCHER

Digitally signed by

ROBERT G HAMILTON

Dec 22, 2025

OFFICE

AJV-A431

DATE

09/09/2025

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

ROBERT G HAMILTON

Dec 22, 2025

OFFICE

AJV-A431

DATE

TITLE

MANAGER



AIRPORT ID
PHF

PROCEDURE NAME
RNAV (GPS) RWY 2

ORIGINAL/AMENDMENT
2

CITY
NEWPORT NEWS

STATE
VA

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPHF
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	370727.9390N
LTP/FTP LONGITUDE	0762957.8260W
LTP/FTP ELLIPSOIDAL HEIGHT	-00247
FPAP LATITUDE	370854.9340N
FPAP LONGITUDE	0762933.1405W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
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)	35.0

CRC REMAINDER	1D630E11
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00114
FPAP ORTHOMETRIC HEIGHT	+00114

