

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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.

AIRPORT ID PHF	PROCEDURE NAME LOC RWY 20	ORIGINAL/AMENDMENT 2	CITY NEWPORT NEWS	STATE VA
AIRPORT ELEVATION 42	TDZE 42	SUPERSEDED LOC RWY 20	ORIGINAL/AMENDMENT 1D	DATED 05/21/2020
FACILITY I-FJQ	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 9W
				EPOCH YEAR 1985
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HCM VORTAC	IAF	PANLE INT/I-FJQ 12.32 DME	NOPT				127.53	14.90	2000
PANLE INT/I-FJQ 12.32 DME	IF/IAF	RACOT/I-FJQ 6.32 DME					201.81 (I-FJQ)	6.00	1700

MISSED APPROACH

MAP:

LOC: I-FJQ 1.25 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN RIGHT TURN DIRECT HCM VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N PANLE, RT, 201.81 INBOUND, 2000 IN LIEU OF PT (IAF), MAX 4500.
- FAC: 201.81 FAF: RACOT/I-FJQ 6.32 DME DIST FAF TO MAP: DIST FAF TO THLD: 5.07
- MIN ALT: PANLE INT/I-FJQ 12.32 DME 2000, RACOT/I-FJQ 6.32 DME 1700, ROBOY/I-FJQ 2.81 DME 580
- MSA FROM: ORF VORTAC 2300



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART NOTE: VDP NA WHEN USING ORF ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORF ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND S-LOC 20 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.
CHART NOTE: PROCEDURE NA FOR ARRIVALS AT HCM VORTAC ON V38 NORTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART HCM R-128 AT PANLE
ROBOY TO RW20: 3.00/43.
HOLD W, LT, 103.60 INBOUND.
CHART FAS OBST: 163 TRANSMISSION_LINE (51-066334) 370905N/0762943W.
CHART 503 STACK (51-000070) 371255N/0762740W.
CHART VDP AT 2.30 DME.
DISTANCE VDP TO THLD 1.05 NM.

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., NA WHEN CONTROL TOWER CLOSED.

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
S-LOC 20	420	1	378	420	1	378	420	1	378	420	1	378				
CIRCLING	520	1	478	540	1	498	760	2	718	780	2 1/4	738				

CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED CCV VORTAC TO PANLE SEGMENT – ATC REQUEST
2. TERMINAL ROUTES: PANLE DESCRIPTION CHANGED FROM "PANLE INT/I-FJQ 12.29 DME" TO "PANLE INT/I-FJQ 12.32 DME" – FIX PANLE MOVED
3. TERMINAL ROUTES: HCM VORTAC TO PANLE INFORMATION UPDATED, COURSE FROM "127.64" TO "127.53", DISTANCE FROM "14.91" TO "14.90" – FIX PANLE MOVED
4. TERMINAL ROUTES: RACOT DESCRIPTION CHANGED FROM "RACOT/I-FJQ 6.25 DME" TO "RACOT/I-FJQ 6.32 DME" – FIX RACOT MOVED WITH NEW TARGETS CALCULATION
5. TERMINAL ROUTES: PANLE TO RACOT DISTANCE UPDATED FROM "6.04" TO "6.00" – PANLE AND RACOT MOVED
6. PROFILE LINE 3: FAF CHANGED FROM "RACOT/I-FJQ 6.25 DME" TO "RACOT/I-FJQ 6.32 DME" – RACOT MOVED WITH NEW TARGETS CALCULATION
7. PROFILE LINE 3: DIST FAF TO THLD UPDATED FROM "5.00" TO "5.07" – FAF RACOT MOVED
8. PROFILE LINE 4: UPDATED FROM "PANLE 2000, RACOT 1700, ROBOY/I-FJQ 3.45 DME 780" TO "PANLE INT/I-FJQ 12.32 DME 2000, RACOT/I-FJQ 6.32 DME 1700, ROBOY/I-FJQ 2.81 DME 580" – PANLE, RACOT, ROBOY ALL MOVED
9. NOTES: ADDED NOTE "CHART NOTE: VDP NA WHEN USING ORF ALTIMETER SETTING." – IAW 8260.19K 8-6-10
10. NOTES: ADDED BACKUP ALTIMETER NOTE "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORF ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND S-LOC 20 VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM." – IAW 8260.19K 8-6-10
11. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "CHART HCM R-128, CCV R-276 AT PANLE." TO "CHART HCM R-128 AT PANLE" – CCV VORTAC REMOVED FROM PROCEDURE FOR DECOMMISSIONING
12. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST NOTE FROM "CHART FAS OBST: 161 T-L TWR 370906N/0762943W" TO "CHART FAS OBST: 163 TRANSMISSION_LINE (51-066334) 370905N/0762943W." – NEW CONTROLLNG OBSTACLE
13. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "CHART 504 STACK 371255N/0762740W." TO "CHART 503 STACK (51-000070) 371255N/0762740W." – SAME OBSTACLE, JUST UPDATED DATA
14. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - NO LONGER REQUIRED.
15. ADDITIONAL FLIGHT DATA: ADDED "ROBOY TO RW20: 3.00/43." - IAW 8260.19K 8-6-11
16. NOTES: ADDED NOTE "CHART NOTE: PROCEDURE NA FOR ARRIVALS AT HCM VORTAC ON V38 NORTHWEST BOUND." - IAW 8260.3G 2-3-1
17. ALTERNATE MINIMUMS: ADDED "NA WHEN CONTROL TOWER CLOSED." - CONTINUITY WITH OTHER PROCEDURES AT KPHF AIRPORT



AIRPORT ID
PHF

PROCEDURE NAME
LOC RWY 20

ORIGINAL/AMENDMENT
2

CITY
NEWPORT NEWS

STATE
VA

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

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
09/12/2025

APPROVED BY
ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
Dec 22, 2025

OFFICE
AJV-A431

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> PHF	<u>PROCEDURE NAME</u> LOC RWY 20	<u>AMDT NO.</u> 2	<u>CITY</u> NEWPORT NEWS	<u>STATE</u> VA	<u>AIRPORT ELEVATION</u> 42	<u>FACILITY</u> I-FJQ
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

<u>FROM</u> HCM VORTAC	<u>TO</u> PANLE INT/I-FJQ 12.32 DME
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<u>RNP</u>	<u>DISTANCE</u> 14.90	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (51-000651)	371708.18N/0763049.69W	539	50	20	2C	1000				AT461	2000
TERRAIN	372324.00N/0764233.00W	121 (100)								AS1500	1600

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INTERMEDIATE

<u>FROM</u> PANLE INT/I-FJQ 12.32 DME (IF/IAF)	<u>TO</u> RACOT/I-FJQ 6.32 DME
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<u>RNP</u>	<u>DISTANCE</u> 6.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (51-000651)	371708.18N/0763049.69W	539	50	20	2C	500				AT686 SA-25	1700
TERRAIN	372012.00N/0763127.00W	49 (0)								AS1500	1500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
PHF

PROCEDURE NAME
LOC RWY 20

AMDT NO.
2

CITY
NEWPORT NEWS

STATE
VA

AIRPORT ELEVATION
42

FACILITY
I-FJQ

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TOWER (51-000891)	370820.55N/0763123.67W	1.30	478	211	20	3	1A	300			520
CATEGORY B											
TOWER (51-001272)	370744.53N/0763218.67W	1.81	498	230	20	3	1A	300			540
CATEGORY C											
TOWER (51-001054)	370948.00N/0763208.00W	2.84	718	443	50	20	2C	300			760
CATEGORY D											
TOWER (51-001921)	371209.40N/0762951.50W	3.70	738	463	50	20	2C	300			780

CIRCLING REMARKS:

MSA

CENTER **RADIUS**
ORF VORTAC 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (51-001802)	364831.78N/0763011.30W	258	15.4	1282	20	3	1A	1000			2300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

PHF TOWER, ORF APP CON, ZDC ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	PHF	24	PHF		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	ORF	24	ORF	19.96	Y	48

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PHF 42, ORF 44
RA = 47.7

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-FJQ	PHF ATCT	OPEN	1
		CLOSED	3



AIRPORT ID
PHF

PROCEDURE NAME
LOC RWY 20

AMDT NO.
2

CITY
NEWPORT NEWS

STATE
VA

AIRPORT ELEVATION
42

FACILITY
I-FJQ

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW02 - HIRL (PCL), PAPI-4L	NPI-F	
RW20 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-F	
RW07 - MALSR (PCL), HIRL (PCL)	PIR-G	APPROACH
RW25 - HIRL (PCL), REIL (PCL), PAPI-4R (PCL)	PIR-G	ROLL OUT

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
42.9

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LOC
34:1	
114 TREE (51-038760) 370853.9300N/0762935.4000W (8.45)	117 TREE (51-039309) 370855.1000N/0762935.5900W (8.15)
76 TREE (51-024487) 370841.2200N/0762933.8200W (6.48)	113 TREE (51-023180) 370855.2400N/0762935.9000W (3.91)
108 TREE (51-023179) 370854.0300N/0762934.5500W (1.71)	
PENETRATIONS REMARKS:	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 503 STACK (51-000070) 371255.00N/0762740.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.07
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.88
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	192.81
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	4.87
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.27
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	192.81
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)	370830.86N/0762939.97W
ARP COORDINATES	370754.80N/0762934.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 25 DISTANCE 0.77 NM
FAF COORDINATES	371327.93N/0762815.50W
FIX NAME COORDINATES	

REMARKS

RACOT: 371327.93N/0762815.50W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
DEVON KERCHER	AJV-A431	09/12/2025	AERONAUTICAL INFORMATION SPECIALIST

