

|                                                                                                                                                                                                                                                                                                             |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|-------------------------|-----------|----------------|-----------------------------|---------|-------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------|---------|-----|-----|---------|--|--|--|
| U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION<br>VOR STANDARD INSTRUMENT APPROACH PROCEDURE<br>FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23                                                                                                                                     |  |                                 |                         |           |                |                             |         |                                                                               |          | 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 |                                                                                                                                                                                                                                                                                                                                                                      | MAP: 6.06 NM AFTER ETRIK INT/HPW 14.16 DME OR AT HPW 20.22 DME FIX          |                                   |         |     |     |         |  |  |  |
| HCM VORTAC (IAF)                                                                                                                                                                                                                                                                                            |  |                                 | HPW VORTAC (NOPT)       |           |                | 256.76 / 20.64              |         |                                                                               | 3000     |                                                                                                                                                                                                                                                                                                                                                                      | CLIMB TO 2000 ON HEADING 214 AND HPW R-244 TO FASOS/HPW 30.83 DME AND HOLD. |                                   |         |     |     |         |  |  |  |
| HPW VORTAC (IF/IAF)                                                                                                                                                                                                                                                                                         |  |                                 | RAGCO INT/HPW 4.16 DME  |           |                | 251.69 / 4.16               |         |                                                                               | 3000     |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| RAGCO INT/HPW 4.16 DME                                                                                                                                                                                                                                                                                      |  |                                 | ETRIK INT/HPW 14.16 DME |           |                | 251.69 / 10.00 (HPW R-252)  |         |                                                                               | 2200     |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
|                                                                                                                                                                                                                                                                                                             |  |                                 |                         |           |                |                             |         |                                                                               |          | ADDITIONAL FLIGHT DATA:<br>HOLD NE, LT, 243.71 INBOUND.<br>CHART FAS OBST: 362 TOWER 371122N/0772825W<br>ETRIK TO RW23: 3.06/40.1.<br>CHART CIRCLING ICON.                                                                                                                                                                                                           |                                                                             |                                   |         |     |     |         |  |  |  |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)                                                                                                                                                                                                                        |  |                                 |                         |           |                |                             |         |                                                                               |          | MAG VAR: 6W EPOCH YEAR: 1965                                                                                                                                                                                                                                                                                                                                         |                                                                             |                                   |         |     |     |         |  |  |  |
| 2. HOLD E HPW VORTAC, LT, 252.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF)                                                                                                                                                                                                                                      |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| 3. FAC 251.69 FAF ETRIK INT/HPW 14.16 DME DIST FAF TO MAP 6.06 THLD 6.06                                                                                                                                                                                                                                    |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| 4. MIN. ALT HPW VORTAC 3000, RAGCO 3000, ETRIK 2200, YETUB INT/HPW 18.32 DME 740*                                                                                                                                                                                                                           |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| 8. MSA FROM: HPW VORTAC 270-360 2600, 360-270 1700                                                                                                                                                                                                                                                          |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| MINIMUMS                                                                                                                                                                                                                                                                                                    |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT                                                                                                                                                                                                                                                             |  |                                 |                         |           | ALTERNATE: N A |                             |         |                                                                               |          | STANDARD @                                                                                                                                                                                                                                                                                                                                                           |                                                                             |                                   |         |     |     |         |  |  |  |
| CATEGORY =====>                                                                                                                                                                                                                                                                                             |  | A                               |                         | B         |                | C                           |         | D                                                                             |          | E                                                                                                                                                                                                                                                                                                                                                                    |                                                                             |                                   |         |     |     |         |  |  |  |
|                                                                                                                                                                                                                                                                                                             |  | MDA                             | VIS                     | HAT/HAA   | MDA            | VIS                         | HAT/HAA | MDA                                                                           | VIS      | HAT/HAA                                                                                                                                                                                                                                                                                                                                                              | MDA                                                                         | VIS                               | HAT/HAA | MDA | VIS | HAT/HAA |  |  |  |
| S-23                                                                                                                                                                                                                                                                                                        |  | 740                             | 1                       | 549       | 740            | 1                           | 549     | 740                                                                           | 1 5/8    | 549                                                                                                                                                                                                                                                                                                                                                                  |                                                                             | NA                                |         |     |     |         |  |  |  |
| CIRCLING                                                                                                                                                                                                                                                                                                    |  | 740                             | 1                       | 547       | 740            | 1                           | 547     | 760                                                                           | 1 5/8    | 567                                                                                                                                                                                                                                                                                                                                                                  |                                                                             | NA                                |         |     |     |         |  |  |  |
| YETUB FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)                                                                                                                                                                                                                                                     |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| S-23                                                                                                                                                                                                                                                                                                        |  | 620                             | 1                       | 429       | 620            | 1                           | 429     | 620                                                                           | 1 1/4    | 429                                                                                                                                                                                                                                                                                                                                                                  |                                                                             | NA                                |         |     |     |         |  |  |  |
| CIRCLING                                                                                                                                                                                                                                                                                                    |  | 680                             | 1                       | 487       | 680            | 1                           | 487     | 760                                                                           | 1 1/2    | 567                                                                                                                                                                                                                                                                                                                                                                  |                                                                             | NA                                |         |     |     |         |  |  |  |
| NOTES:                                                                                                                                                                                                                                                                                                      |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| *780 WHEN USING RICHMOND EXECUTIVE-CHESTERFIELD COUNTY ALTIMETER SETTING.                                                                                                                                                                                                                                   |  |                                 |                         |           |                |                             |         |                                                                               |          | @ NA WHEN LOCAL WEATHER NOT AVAILABLE.                                                                                                                                                                                                                                                                                                                               |                                                                             |                                   |         |     |     |         |  |  |  |
| CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICHMOND EXECUTIVE-CHESTERFIELD COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; INCREASE S-23 CAT C AND CIRCLING CAT C VISIBILITY 1/8 MILE AND YETUB FIX MINIMUMS S-23 CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C (CONTINUED ON PAGE 2) |  |                                 |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |
| CITY AND STATE<br>PETERSBURG, VA                                                                                                                                                                                                                                                                            |  | ELEVATION: 193<br>AIRPORT NAME: |                         | TDZE: 191 |                | FACILITY IDENTIFIER:<br>HPW |         | PROCEDURE NO./AMDT NO./EFFECTIVE DATE:<br>VOR RWY 23, AMDT 7<br>27 APRIL 2017 |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             | SUP<br>AMDT 6B<br>DATE 11/14/2013 |         |     |     |         |  |  |  |
|                                                                                                                                                                                                                                                                                                             |  | DINWIDDIE COUNTY                |                         |           |                |                             |         |                                                                               |          |                                                                                                                                                                                                                                                                                                                                                                      |                                                                             |                                   |         |     |     |         |  |  |  |



**VOR STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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**NOTES, (CONT.):****VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON HPW VORTAC AIRWAY RADIALS 323 CW 025.**

CHART NOTE: DME REQUIRED

QUALITY  
25  
CHECKED

CITY AND STATE

**PETERSBURG, VA****ELEVATION: 193****TDZE: 191**

AIRPORT NAME:

**DINWIDDIE COUNTY**FACILITY  
IDENTIFIER:**HPW**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**VOR RWY 23, AMDT 7**

27 APRIL 2017

SUP:

AMDT: **6B**DATED: **11/14/2013**

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.23

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## ARINC SUMMARY - KPTB

## ROUTES

| TRANSITION | WPT<br>SEQ | WPT<br>NAME | LEG<br>TYPE | FB/FO | RNP | MAG<br>CRS | REC<br>NAV | ANGLE | TURN<br>DIR | CENTER<br>FIX | TURN<br>RADIUS | ALTITUDE<br>DESCRIPTION<br>& VALUE | SPEED LIMIT<br>DESCRIPTION<br>& VALUE | WPT<br>DESCRIPTION<br>CODE |
|------------|------------|-------------|-------------|-------|-----|------------|------------|-------|-------------|---------------|----------------|------------------------------------|---------------------------------------|----------------------------|
| HCM        | 010        | HCM         | IF          | FB    |     |            |            |       |             |               |                |                                    |                                       | V A                        |
| HCM        | 020        | HPW         | TF          | FB    |     |            |            |       |             |               |                | AA 03000                           |                                       | VE B                       |
| HPW        | 010        | HPW         | HF          | FO    |     | 252.0      | HPW        |       | L           |               |                | AA 03000                           |                                       | VE A                       |
|            | 010        | HPW         | IF          | FB    |     |            |            |       |             |               |                | AA 03000                           |                                       | V I                        |
|            | 011        | RAGCO       | CF          | FB    |     | 251.7      | HPW        |       |             |               |                | AA 03000                           |                                       | E                          |
|            | 020        | ETRIK       | CF          | FB    |     | 251.7      | HPW        |       |             | HPW           |                | AA 02200                           |                                       | E F                        |
|            | 021        | YETUB       | CF          | FB    |     | 251.7      | HPW        | 3.06  |             |               |                | AA 00740                           |                                       | E S                        |
|            | 030        | RW23        | CF          | FO    |     | 251.7      | HPW        | 3.06  |             |               |                | AT 00230                           |                                       | EY M                       |
|            | 040        |             | VI          | FB    |     | 214.0      |            |       |             |               |                |                                    |                                       | M                          |
|            | 050        | FASOS       | CF          | FO    |     | 244.0      | HPW        |       |             |               |                | AA 02000                           |                                       | EY                         |
|            | 060        | FASOS       | HM          | FO    |     | 243.7      |            |       | L           |               |                | AA 02000                           |                                       | EE                         |

## POINTS

| POINT NAME | LATITUDE   | LONGITUDE   |
|------------|------------|-------------|
| HCM        | N372655.18 | W0764240.87 |
| HPW        | N371943.93 | W0770657.40 |
| ETRIK      | N371352.67 | W0772306.83 |
| FASOS      | N370310.08 | W0773930.95 |
| RAGCO      | N371800.99 | W0771142.40 |
| YETUB      | N371209.05 | W0772751.18 |

## RUNWAYS

| RUNWAY | THRESHOLD<br>LATITUDE | THRESHOLD<br>LONGITUDE | THRESHOLD<br>ELEVATION | PROCEDURE<br>TCH |
|--------|-----------------------|------------------------|------------------------|------------------|
| RW23   | N371121.59            | W0773001.19            | 00190                  | 40.1             |

QUALITY  
28  
CHECKED

CITY AND STATE  
**PETERSBURG, VA**

ELEVATION: **193** TDZE: **191**  
AIRPORT NAME:  
**DINWIDDIE COUNTY**

FACILITY  
IDENTIFIER:  
**HPW**

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  
**VOR RWY 23, AMDT 7**  
27 APRIL 2017

SUP:  
AMDT: **6B**  
DATED: **11/14/2013**