

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><br>KPSM       | <u>PROCEDURE NAME</u><br>RNAV (GPS) RWY 34 | <u>ORIGINAL/AMENDMENT</u><br>2                  | <u>CITY</u><br>PORTSMOUTH                 | <u>STATE</u><br>NH         |                       |                           |
| <u>AIRPORT ELEVATION</u><br>100 | <u>TDZE</u><br>84                          | <u>SUPERSEDED</u><br>RNAV (GPS) RWY 34          | <u>ORIGINAL/AMENDMENT</u><br>1            | <u>DATED</u><br>07/29/2010 | <u>MAG VAR</u><br>16W | <u>EPOCH YEAR</u><br>2005 |
| <u>FACILITY</u><br>RNAV         | <u>COORDINATES OF FACILITIES</u>           | <u>ACTUAL EFFECTIVE DATE</u><br>2 DECEMBER 2021 | <u>REQUIRED EFFECTIVE DATE</u><br>ROUTINE | <u>CANCEL/SUSPEND</u>      |                       |                           |

**TAA**

| FROM                | FIX TYPE | TO    | FIX TYPE | ALTITUDE |
|---------------------|----------|-------|----------|----------|
| 1. 255/30 CW 075/30 | NOPT     | IDEED | IF/IAF   | 3000     |
| 2. 075/30 CW 165/30 |          | YINUY | IAF      | 3000     |
| 3. 165/30 CW 255/30 |          | YITUR | IAF      | 3000     |

**TERMINAL ROUTES**

| FROM    | FIX TYPE | TO      | FIX TYPE | LEG TYPE | FO/FB | RNP  | COURSE | DISTANCE | ALTITUDE |
|---------|----------|---------|----------|----------|-------|------|--------|----------|----------|
| YINUY   | IAF      | IDEED   | NOPT     | TF       | FB    | 1.00 | 075.03 | 9.70     | 3000     |
| YITUR   | IAF      | IDEED   | NOPT     | TF       | FB    | 1.00 | 255.29 | 9.70     | 3000     |
| IDEED   | IF/IAF   | YOKNZ   |          | TF       | FB    | 1.00 | 345.16 | 5.94     | 1700     |
| YOKNZ   | FAF      | RW34    | MAP      | TF       | FO    | 0.30 | 345.12 | 4.87     |          |
| RW34    | MAP      | 284 MSL |          | CA       |       |      | 345.12 |          |          |
| 284 MSL |          | ITAWA   |          | DF       | FO    | 1.00 |        |          | 3300     |

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW34

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3300 DIRECT ITAWA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3300

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
22  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD S IDEED, RT, 345.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000
3. FAF: 345.12FAF: YOKNZDIST FAF TO MAP: 4.87DIST FAF TO THLD: 4.87
4. MIN ALT: IDEED 3000, YOKNZ 1700
5. DIST TO THLD FROM FAF: 4.87MM:IM:150 HAT:200 HAT: 0.43GS ANT:
6. MIN GP INCPT: 1700GP ALT AT FAF : YOKNZ 1700OM:MM:IM:
7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 63.9
8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS

NOTES:

CHART NOTE: CIRCLING NA EAST OF RWY 16-34  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500; INCREASE LNAV CAT E VISIBILITY TO 1 3/8 SM

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 164.98 INBOUND  
FAS OBST: 280 AAO 430039N/0704618W  
CHART VDP AT 1.18 NM TO RW34  
WAAS CHANNEL # 97323  
REFERENCE PATH ID: W34A  
CHART CIRCLING ICON  
LTP HAE: -1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, CAT E 800-2 1/2. 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       | 284    | 2400 | 200     | 284    | 2400 | 200     | 284    | 2400  | 200     | 284    | 2400  | 200     | 284    | 2400  | 200     |
| LNAV/VNAV DA | 361    | 2400 | 277     | 361    | 2400 | 277     | 361    | 2400  | 277     | 361    | 2400  | 277     | 361    | 2400  | 277     |
| LNAV MDA     | 540    | 2400 | 456     | 540    | 2400 | 456     | 540    | 4500  | 456     | 540    | 4500  | 456     | 540    | 4500  | 456     |
| CIRCLING     | 540    | 1    | 440     | 560    | 1    | 460     | 680    | 1 1/2 | 580     | 780    | 2 1/4 | 680     | 800    | 2 1/2 | 700     |

QUALITY  
22  
CHECKED

**CHANGES - REASONS**

INCORPORATED FDC NOTAM 0/7131 ONTO FORMS

ADDED TAA DATA - 8260.19I 8-6-3

DELETED TERMINAL ROUTE FEEDER SEGMENT "PSM VOR/DME TO IDEED" - PROCEDURAL REDESIGN AND PSM VOR/MON PROJECT

ADDED TERMINAL ROUTE INITIAL SEGMENT "YINUY TO IDEED" - PROCEDURAL REDESIGN TO ADD TAA AND 8260.19I 8-6-4 A(1)

ADDED TERMINAL ROUTE INITIAL SEGMENT "YITUR TO IDEED" - PROCEDURAL REDESIGN TO ADD TAA AND 8260.19I 8-6-4 A(1)

AMENDED TERMINAL ROUTE INTERMEDIATE SEGMENT FROM "IDEED (IF/IAF) TO YOKNZ(FB) 346.17/6.00 AT 1700" TO "IDEED IF TO YOKNZ TF FB RNP 1.00 345.16 5.94 AT 1700" - PROCEDURE REDESIGN RELOCATING FAF YOKNZ AND 8260.19I 8-6-4 A(6)(A) AND (B)

ADDED TERMINAL ROUTE FINAL SEGMENT "YOKNZ TO RW16" - UPDATING FORMS TO CURRENT CRITERIA AND 8260.19I 8-6-4

ADDED MISSED APPROACH TERMINAL ROUTE SEGMENTS "RW34 TO 284 MSL" AND "284 MSL TO ITAWA" - UPDATING FORMS TO CURRENT CRITERIA AND 8260.19I 8-6-4

AMENDED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3000 DIRECT ITAWA AND CONTINUE CLIMB IN HOLD" TO "CLIMB TO 3300 DIRECT ITAWA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3300" - NEW CONTROLLING OBSTACLE IDENTIFIED INCREASING MIN ALT IAW 8260.19I 8-2-6 D

AMENDED PROFILE LINE 2 FROM "HOLD S IDEED, RT, 345.17, 3000 FT. IN LIEU OF PT (IAF)" TO "HOLD S IDEED, RT, 345.17 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000" - IAW 8260.19I 8-6-7 B(2) (A)

AMENDED PROFILE LINE 3 FROM "DIST FAF TO MAP: 4.81 THLD: 4.81" TO "DIST FAF TO MAP: 4.87" AND "DIST FAF TO THLD: 4.87" - PROCEDURE REDESIGN RELOCATING FAF AND IAW 8260.19I 8-6-7 C(3) AND (4)

ADDED TO PROFILE LINE 5 FROM "DIST TO THLD FROM FAF: 4.87" - UPDATING FORMS TO CURRENT CRITERIA IAW 8260.19I 8-6-7 E

RELOCATED TO PROFILE LINE 5 FROM ADDITIONAL FLIGHT DATA "DIST TO THLD FROM 200 HAT: 0.43" - IAW 8260.19I 8-6-7 E(3)

ADDED TO PROFILE LINE 7 "20:1 IS CLEAR" - IAW 8260.19I 8-6-7 G(3)(A)

DELETED FROM PROFILE LINE 8 "MSA FROM: RW34 2800" - PROCEDURAL REDESIGN ADDING TAA AND 8260.19I 8-6-7 H(1)

ADDED TO PBN EQUIPMENT REQUIREMENTS NOTE "RNP APCH - GPS" - IAW 8260.19I 8-6-8 B(2)

AMENDED 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 -15C OR ABOVE 54C" - UPDATING NOTE TO CURRENT CRITERIA IAW 8260.19I 8-6-9 R

ADDED TO NOTES "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - 8260.19I 8-6-8 M(1)

DELETED FROM NOTES "CHART NOTE: DME/DME RNP-0.3 NA" - 8260.19I 1-1-5 F(18)

DELETED FROM NOTES "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PSM VOR/DME VIA V3 NORTHBOUND" - PROCEDURAL REDESIGN DELETING THIS NOTE AND PSM VOR/MON CANCELLATION PROJECT

AMENDED NOTE FROM "CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO 1 1/2 MILES, AND LNAV CAT E VISIBILITY TO 1 3/4 MILES" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500; INCREASE LNAV CAT E VISIBILITY TO 1 3/8 SM" - IAW 8260.3D TABLE 3-3-1

AMENDED ADDITIONAL FLIGHT DATA FROM "CHART FAS OBST: 187 TREE (KPSM0081) 430380N/0704827W" AND "CHART FAS OBST: 622 TOWER 430311N/0704802W" TO "FAS OBST: 280 AAO 430039N/0704618W" - NEW FINAL CONTROLLING OBSTACLE IDENTIFIED

AMENDED ADDITIONAL FLIGHT DATA FROM "CHART VDP AT 1.29 MILES TO RW34\* \*LNAV ONLY" TO "CHART VDP AT 1.18 NM TO RW34" - 8260.19I 8-6-10 M

ADDED TO ADDITIONAL FLIGHT DATA "LTP HAE: -1M" - 8260.19I 8-6-10 J(4)

ADDED TO ADDITIONAL FLIGHT DATA "CHART CIRCLING ICON" - 8260.19I 8-6-10 S

DELETED FROM ADDITIONAL FLIGHT DATA "CHART: ASR" - 8260.19I 1-1-15 F(16)

AMENDED ALTERNATE MINIMUMS FROM "STANDARD - @ CAT E 800 - 2 1/2" TO "STANDARD - CAT D 800-2 1/4, CAT E 800-2 1/4. NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19I 8-6-11 B(4)

AMENDED LNAV/VNAV DA/VIS/HAT FROM "530/RVR 5000/446" TO "361/RVR 2400/277" - NEW CONTROLLING OBSTACLE IDENTIFIED AND 8260.3D TABLE 3-3-1 (CATS A-E)

AMENDED LNAV CAT A/B MDA/HAT FROM "560/476" TO "540/456", CAT C MDA/VIS/HAT FROM "560/RVR 4000/476" TO "540/RVR 4500/456", CAT D MDA/VIS/HAT FROM "560/RVR 5000/476" TO "540/RVR 4500/456" AND CAT E MDA/VIS/HAT FROM "560/RVR 6000/476" TO "540/RVR 4500/456" - NEW CONTROLLING OBSTACLE IDENTIFIED AND 8260.3D TABLE 3-3-1 (CAT C/D/E), TABLE 3-3-3 (CAT A), AND TABLE 3-3-4 (CAT B)

AMENDED CIRCLING CAT A MDA/HAA FROM "560/460" TO "540/440", CAT B MDA/HAA FROM "560/460" TO "540/440", CAT C MDA/HAA FROM "560/460" TO "680/580" CAT D MDA/VIS/HAA FROM "680/2 SM/580" TO "780/2 1/4 SM/680" - NEW CIRCLING RADII AND NEW CONTROLLING OBSTACLES IDENTIFIED

AMENDED FAS DATA LTP COORDINATES FROM "430352.6800N/0704844.6000W" TO "430352.6745N/0704844.5990W" - UPDATED AIRNAV DATA IAW 8260.19I 8-6-12

AMENDED FAS DATA FPAP COORDINATES FROM "430531.9400N/0705005.7300W" TO "430528.6030N/0705003.0005W" - NEW TARGETS-DERIVED COORDINATES IAW 8260.19I 8-6-12

AMENDED FAS DATA COURSE WIDTH AT THRESHOLD FROM "107.00" TO "106.75" - 8260.19I 8-6-12

AMENDED FAS DATA LENGTH OFFSET FROM "0120" TO "0000" - 8260.19I 8-6-12

AMENDED CRC REMAINDER FORM "BE44A47E" TO "A9789884" - UPDATED LTP AND FPAP COORDINATES AND 8260.19I 8-6-12



AIRPORT ID  
KPSM

PROCEDURE NAME  
RNAV (GPS) RWY 34

ORIGINAL/AMENDMENT  
2

CITY  
PORTSMOUTH

STATE  
NH

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZBW, BOS APP CON, PSM ATCT, AMGR

FLIGHT CHECKED BY

BOB S PRESSLER

*Digitally signed by*  
**CASIMIR L TABAKA**

Sep 29, 2021

OFFICE

FPO

DATE

09/23/2021

DEVELOPED BY

KELLY CARLSON

*Digitally signed by*  
**MARK D ADAMS**

OFFICE

AJV-A432

DATE

01/29/2021

APPROVED BY

LONNIE EVERHART

May 19, 2021

*Digitally signed by*  
**MARK D ADAMS**

May 19, 2021

OFFICE

AJV-A430

DATE

TITLE  
MANAGER

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u>                        | <u>DATA</u>   |
|------------------------------------------|---------------|
| OPERATION TYPE                           | 0             |
| SBAS SERVICE PROVIDER IDENTIFIER         | 0             |
| AIRPORT IDENTIFIER                       | KPSM          |
| RUNWAY                                   | RW34          |
| APPROACH PERFORMANCE DESIGNATOR          | 0             |
| ROUTE INDICATOR                          |               |
| REFERENCE PATH DATA SELECTOR             | 0             |
| REFERENCE PATH IDENTIFIER (APPROACH ID)  | W34A          |
| LTP/FTP LATITUDE                         | 430352.6745N  |
| LTP/FTP LONGITUDE                        | 0704844.5990W |
| LTP/FTP ELLIPSOIDAL HEIGHT               | -00010        |
| FPAP LATITUDE                            | 430528.6030N  |
| FPAP LONGITUDE                           | 0705003.0005W |
| THRESHOLD CROSSING HEIGHT (TCH)          | 00063.9       |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F             |
| GLIDEPATH ANGLE (GPA)                    | 03.00         |
| COURSE WIDTH AT THRESHOLD                | 106.75        |
| LENGTH OFFSET                            | 0000          |
| HORIZONTAL ALERT LIMIT (HAL)             | 40.0          |
| VERTICAL ALERT LIMIT (VAL)               | 35.0          |
| <br>                                     |               |
| CRC REMAINDER                            | A9789884      |

ADDITIONAL PATH POINT RECORD INFORMATION

|                         |        |
|-------------------------|--------|
| ICAO CODE               | K6     |
| LTP ORTHOMETRIC HEIGHT  | +00257 |
| FPAP ORTHOMETRIC HEIGHT | +00257 |