

**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</u>           |                                  | <u>AIRPORT ID</u>            | <u>PROCEDURE NAME</u>          | <u>ORIGINAL/AMENDMENT</u> | <u>CITY</u>    | <u>STATE</u>      |
|--------------------------|----------------------------------|------------------------------|--------------------------------|---------------------------|----------------|-------------------|
| MORRISVILLE-STOWE STATE  |                                  | KMYL                         | RNAV (GPS)-A                   | 1                         | MORRISVILLE    | VT                |
| <u>AIRPORT ELEVATION</u> | <u>TDZE</u>                      | <u>SUPERSEDED</u>            | <u>ORIGINAL/AMENDMENT</u>      | <u>DATED</u>              | <u>MAG VAR</u> | <u>EPOCH YEAR</u> |
| 733                      |                                  | RNAV (GPS)-A                 | ORIG                           | 08/17/2017                | 16W            | 1995              |
| <u>FACILITY</u>          | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> | <u>REQUIRED EFFECTIVE DATE</u> | <u>CANCEL/SUSPEND</u>     |                |                   |
| RNAV                     |                                  |                              | ROUTINE                        |                           |                |                   |

**TERMINAL ROUTES**

| <u>FROM</u>               | <u>FIX TYPE</u> | <u>TO</u>                 | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|---------------------------|-----------------|---------------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| MPV VOR/DME               |                 | POESY                     |                 | TF              | FB           | 1.00       | 338.22        | 12.23           | 4500            |
| POESY                     | IAF             | RIFTS                     |                 | TF              | FB           | 1.00       | 318.14        | 5.26            | 3400            |
| RIFTS                     | IF              | SLAGS                     |                 | TF              | FB           | 1.00       | 011.02        | 4.39            | 3400            |
| SLAGS                     |                 | NUNOE                     |                 | TF              | FB           | 1.00       | 024.87        | 2.67            | 3100            |
| NUNOE                     |                 | TURVE                     |                 | TF              | FB           | 1.00       | 042.29        | 2.33            | 3000            |
| TURVE                     | FAF             | UYZAY/3.42 MILES TO QITEJ |                 | TF              | FB           | 0.30       | 050.96        | 2.90            |                 |
| UYZAY/3.42 MILES TO QITEJ |                 | QITEJ                     | MAP             | TF              | FO           | 0.30       | 050.96        | 3.42            |                 |
| QITEJ                     | MAP             | 1133 MSL                  |                 | CA              |              |            | 050.96        |                 |                 |
| 1133 MSL                  |                 | LIQED                     |                 | DF              | FO           | 1.00       |               |                 | 5600            |

**MISSED APPROACH**

**MAP:**  
QITEJ

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 5600 DIRECT LIQED AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5600.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT RIFTS

3. FAC:

050.96

FAF: TURVE

DIST FAF TO MAP: 6.32

DIST FAF TO THLD:

4. MIN ALT: RIFTS 3400, SLAGS 3400, NUNOE 3100, TURVE 3000, UYZAY/3.42 MILES TO QITEJ 1980

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1:

20:1: IS CLEAR

TCH:

8. MSA FROM: QITEJ 5600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT C E OF RWY 1-19.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MPV VOR/DME AIRWAY RADIALS 317 CW 037.  
CHART SPEED ICON IN PLANVIEW AT POESY: MAX 230 KIAS.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURLINGTON ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET.

ADDITIONAL FLIGHT DATA:

CHART ARRIVAL HOLDING AT POESY: HOLD SE RT, 318.14 INBOUND, 4500  
FAC CROSSES MIDPOINT OF RWY 1-19.  
CHART CIRCLING ICON.  
FAS OBST: 1320 AAO 442828N/0723920W.  
HOLD N, RT, 194.36 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A 900-2, CAT B 1100-2, CAT C 1300-3, 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 |
| CIRCLING   | 1620   | 1 1/4 | 887     | 1780   | 1 1/2 | 1047    | 1980   | 3   | 1247    |        | NA  |         |        |     |         |

CHANGES - REASONS

1. ADDED ARRIVAL HOLDING AT POESY IAF - IAW ATC OPERATIONAL REQUEST.
2. AMENDED ROUTE POESY TO RIFTS COURSE/DIST FROM 323.23/5.67 TO 318.14/5.26 - RIFT MOVED .63 NM SOUTHBOUND TO LENGTHEN SUCCEEDING LEG.
3. AMENDED ROUTE RIFTS TO SLAGS COURSE/DIST FROM 011.10/3.76 TO 011.02/4.39 - INSUFFICIENT LEG LENGTH TO PERMIT ATC VECTORING.
4. ADDED NOTE: CHART ARRIVAL HOLDING AT POESY: HOLD SE RT, 318.14 INBOUND, 4500 - HOLDING ADDED.
5. ADDED NOTE: CHART SPEED ICON IN PLANVIEW AT POSEY: MAX 230 KIAS - TO PRECLUDE MOVING FIX BY REDUCING TURN RADIUS.
6. FAS OBST CHANGED FROM 1359 AAO TO 1320 AAO - IAW 8260.19H, 2-11-5.B. NOTE.
7. DELETED ALL MANDATORY ALTITUDE CHART NOTES FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED IAW ATC OPERTIONAL REQUEST.
8. CIRCLING CAT A MDA/HAA AMENDED FROM 1720/987 TO 1620/887 - NEW VG SURVEY EVALUATION RESULT.
9. CAT A ALTERNATE MINS CHANGED FROM 1000-2 TO 900-2 - CAT A MINIMUMS LOWERED.
10. DELETED CHART NOTE DME/DME RNP-0.3 NA - ADDED PBN REQUIREMENTS NOTE: RNP APCH.
11. ADDED 20:1 VISUAL SURFACE CLEAR PROFILE NOTE - IAW 9260-19H. 8-6-7.G.(3).



AIRPORT

MORRISVILLE-STOWE STATE

AIRPORT ID

KMVL

PROCEDURE NAME

RNAV (GPS)-A

ORIGINAL/AMENDMENT

1

CITY

MORRISVILLE

STATE

VT

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZBW, APT MGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

IVAN BLANCO

*Digitally signed by*

**IVAN BLANCO**

Feb 20, 2019

OFFICE

AJV-5410

DATE

02/19/2019

APPROVED BY

GEORGE DAVIS

OFFICE

AJV-5410

DATE

TITLE



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

AIRPORT  
MORRISVILLE-STOWE STATE

AIRPORT ID  
KMVL

PROCEDURE NAME  
RNAV (GPS)-A

AMDT NO.  
1

CITY  
MORRISVILLE

STATE  
VT

AIRPORT ELEVATION  
733

FACILITY  
RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM  
MPV VOR/DME

TO  
POESY

| <u>RNP</u>         | <u>DISTANCE</u><br>12.23 | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                    |                |
|--------------------|--------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>       |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 1.AAO              | 440545.00N/0722412.00W   |            | 2418            | 164         | 98          | 4E        | 2000        |            |           |             |                    | 4500           |
| 2.TERRAIN          | 441100.00N/0723645.00W   |            | 2148 (2100)     |             |             |           |             |            |           |             | AS1500             | 3600           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM  
POESY

TO  
RIFTS

| <u>RNP</u>         | <u>DISTANCE</u><br>5.26 | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                    |                |
|--------------------|-------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>      |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 3.AAO              | 441518.00N/0724245.00W  |            | 2117            | 164         | 98          | 4E        | 1000        |            |           |             | PR130              | 3300           |
| 4.TERRAIN          | 441518.00N/0724245.00W  |            | 1916 (1900)     |             |             |           |             |            |           |             | AS1500             | 3400           |

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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INTERMEDIATE: STEPDOWN

FROM  
NUNOE

TO  
TURVE

| <u>RNP</u>         | <u>DISTANCE</u><br>2.33 | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                       |                |
|--------------------|-------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|-----------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>      |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u>    | <u>MIN ALT</u> |
| 8.AAO              | 442240.81N/0723943.69W  |            | 2880            | 50          | 20          | 2C        | 500         |            |           |             | PR260 SA-756<br>AT100 | 3000           |
| 9.TERRAIN          | 442533.00N/0724121.00W  |            | 1758 (1800)     |             |             |           |             |            |           |             | AS1000                | 2800           |

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> |
|------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|

SEGMENT REMARKS:

FINAL: LNAV

FROM  
TURVE

TO  
UYZAY/3.42 MILES TO QITEJ

| <u>RNP</u>         | <u>DISTANCE</u><br>2.90 | <u>PAT</u> | <u>MAP</u>      | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                          |                |
|--------------------|-------------------------|------------|-----------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>      |            | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u>       | <u>MIN ALT</u> |
| 10.AAO             | 442736.00N/0724014.00W  |            | 1420            | 50          | 20          | 2C        | 250         |            |           |             | XL16 PR160<br>RA110 DG20 | 1980           |

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> |
|------------|-------------|-------------|------------|-------------|-----------|-----------|------------|----------------------|-------------|----------------|-------------------------------|

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

UYZAY/3.42 MILES TO QITEJ

TO

QITEJ

| <u>RNP</u>         | <u>DISTANCE</u><br>3.42 | <u>PAT</u> | <u>MAP</u><br>QITEJ | <u>HAT</u>  |             |           | <u>HMAS</u> |            |           |             |                    |                |
|--------------------|-------------------------|------------|---------------------|-------------|-------------|-----------|-------------|------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>      |            | <u>ELEV MSL</u>     | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u>  | <u>OCS</u> | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
| 11.AAO             | 442828.47N/0723919.73W  |            | 1320                | 50          | 20          | 2C        | 250         |            |           |             | XP40               | 1620           |

| COMPUTATIONS | ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:

XP TO MATCH CIRCLING MDA

MISSED APPROACH : LNAV

FROM

QITEJ

TO

LIQED

| <u>RNP</u>         | <u>DISTANCE</u>        | <u>PAT</u>      | <u>MAP</u>  | <u>HAT</u>  |           |            | <u>HMAS</u><br>1520 |           |             |                    |                |
|--------------------|------------------------|-----------------|-------------|-------------|-----------|------------|---------------------|-----------|-------------|--------------------|----------------|
| <u>OBSTRUCTION</u> | <u>COORDINATES</u>     | <u>ELEV MSL</u> | <u>HORZ</u> | <u>VERT</u> | <u>AC</u> | <u>ROC</u> | <u>OCS</u>          | <u>CG</u> | <u>CGTA</u> | <u>ADJUSTMENTS</u> | <u>MIN ALT</u> |
|                    |                        |                 |             |             |           |            | ASC                 |           |             |                    | 5600           |
| 12.AAO             | 444715.00N/0724121.00W | 3560            | 164         | 98          | 4E        | 1000       |                     |           |             |                    | 4600           |
| 13.TERRAIN         | 444154.00N/0724006.00W | 2700 (2700)     |             |             |           |            |                     |           |             | AS1500             | 4200           |

| COMPUTATIONS | ALT | KIAS | KTAS | HAA | VKTW | TR | BA | DTA | COURSE CHANGE | DVEB | VEB OCS | RF CENTER FIX/DISTANCE |
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|
|--------------|-----|------|------|-----|------|----|----|-----|---------------|------|---------|------------------------|

SEGMENT REMARKS:



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          |                        |        |      |          |      |      |    |     |     |             |         |
| 14.TREE (50-036118) | 443235.89N/0723837.71W | 1.30   | 887  | 1316     | 20   | 10   | 1B | 300 |     |             | 1620    |
| CATEGORY B          |                        |        |      |          |      |      |    |     |     |             |         |
| 15.TREE (50-022593) | 443149.36N/0723914.00W | 1.83   | 1047 | 1466     | 20   | 10   | 1B | 300 |     |             | 1780    |
| CATEGORY C          |                        |        |      |          |      |      |    |     |     |             |         |
| 16.TREE (50-023719) | 443235.09N/0724020.71W | 2.89   | 1247 | 1663     | 20   | 10   | 1B | 300 |     |             | 1980    |

CIRCLING REMARKS:

MSA

CENTER

QITEJ

RADIUS

25

| SECTOR  | OBSTRUCTION | COORDINATES            | BEARING | DISTANCE | ELEV MSL | HORZ | VERT | AC | ROC  | OCS | ADJUSTMENTS | MIN ALT |
|---------|-------------|------------------------|---------|----------|----------|------|------|----|------|-----|-------------|---------|
| 360-360 | AAO         | 443236.00N/0724854.00W | 290     | 08.6     | 4567     | 164  | 98   | 4E | 1000 |     |             | 5600    |

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

CAT D MINIMUMS NOT DEVELOPED PER IFP CHECKLIST; HIGH TERRAIN IN MISSED APPROACH SEGMENT PRECLUDES CAT D.

100 FT MAXIMUM ADVERSE VEGETATION HEIGHT PER FPT.







| <u>AIRPORT</u>          | <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u> | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|-------------------------|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| MORRISVILLE-STOWE STATE | KMVL              | RNAV (GPS)-A          | 1               | MORRISVILLE | VT           | 733                      | RNAV            |

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - CIRCLING ONLY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



NO ADDITIONAL AIRSPACE REQUIRED.

| <u>AIRPORT</u>          | <u>AIRPORT ID</u> | <u>PROCEDURE NAME</u> | <u>AMDT NO.</u> | <u>CITY</u> | <u>STATE</u> | <u>AIRPORT ELEVATION</u> | <u>FACILITY</u> |
|-------------------------|-------------------|-----------------------|-----------------|-------------|--------------|--------------------------|-----------------|
| MORRISVILLE-STOWE STATE | KMVL              | RNAV (GPS)-A          | 1               | MORRISVILLE | VT           | 733                      | RNAV            |

PART E: PREPARED BY

| <u>NAME</u> | <u>OFFICE</u> | <u>DATE</u> | <u>TITLE</u>                        |
|-------------|---------------|-------------|-------------------------------------|
| IVAN BLANCO | AJV-5410      | 02/19/2019  | AERONAUTICAL INFORMATION SPECIALIST |

