

**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> 1B9 | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 32 | <u>ORIGINAL/AMENDMENT</u> 2 | <u>CITY</u> MANSFIELD | <u>STATE</u> MA |
| <u>AIRPORT ELEVATION</u> 123 | <u>TDZE</u> 121 | <u>SUPERSEDED</u> RNAV (GPS) RWY 32 | <u>DATED</u> 12/01/2022 | <u>MAG VAR</u> 16W |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>EPOCH YEAR</u> 1995 |
| | | <u>ACTUAL EFFECTIVE DATE</u> 12 JUNE 2025 | | <u>CANCEL/SUSPEND</u> |

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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| AVONN | | REPOY | | TF | FB | 1.00 | 050.76 | 13.67 | 3000 |
| WOONS | | RAYNM | | TF | FO | 1.00 | 114.02 | 24.15 | 3000 |
| DUNKK | IAF | RAYNM | NOPT | TF | FB | 1.00 | 247.53 | 18.14 | 3000 |
| REPOY | IAF | RAYNM | NOPT | TF | FB | 1.00 | 048.71 | 5.00 | 3000 |
| SAVLE | IAF | RAYNM | NOPT | TF | FB | 1.00 | 228.81 | 5.00 | 3000 |
| RAYNM | IF/IAF | EASTN | | TF | FB | 1.00 | 318.75 | 7.33 | 2000 |
| EASTN | FAF | GEONS/1.05 NM TO RW32 | | TF | FB | 0.30 | 318.64 | 3.25 | |
| GEONS/1.05 NM TO RW32 | | RW32 | MAP | TF | FO | 0.30 | 318.64 | 1.05 | |
| RW32 | MAP | 700 MSL | | CA | | | 318.64 | | 700 |
| 700 MSL | | WHYBE | | DF | FO | 1.00 | | | 3000 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 3000 DIRECT WHYBE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | | | | | | | |
|---------------------------------|--|------------------------|------------------|-------------------------|----------|--------------------------|------|-----------------|------|----------------|--|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | | | | | | |
| 2. | HOLD SE RAYNM, RT, 318.76 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | | | | | | |
| 3. FAC: | 318.64 | FAF: | EASTN | DIST FAF TO MAP: | 4.30 | DIST FAF TO THLD: | 4.30 | | | | |
| 4. MIN ALT: | RAYNM 3000, EASTN 2000, GEONS/1.05 NM TO RW32 620 | | | | | | | | | | |
| 5. DIST TO THLD FROM OM: | | MM: | | IM: | | 150 HAT: | | 269 HAT: | 0.51 | GS ANT: | |
| 6. MIN GP INCPT: | 2000 | GP ALT AT PFAF: | | EASTN 2000 | | OM: | | MM: | | IM: | |
| 7. GP ANGLE: | 4.00 | 34:1: | IS CLEAR | 20:1: | IS CLEAR | TCH: | 55.0 | | | | |
| 8. MSA FROM: | RW32 2600 | | | | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

- CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV NA WHEN USING OWD ALTIMETER SETTING.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WOONS ON V3 SOUTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AVONN ON V146 NORTHWEST BOUND AND V268 AND T358 SOUTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DUNKK ON V141 SOUTHEAST BOUND.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWD ALTIMETER SETTING: INCREASE LPV DA TO 432 FEET, LNAV/VNAV DA TO 427 FEET, AND ALL MDAS 40 FEET.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 268.04 INBOUND.
 CHART FAS OBST: 238 TREE 420006N/0711130W.
 WAAS CHANNEL # 97644
 REFERENCE PATH ID: W32A
 CHART CIRCLING ICON.
 LTP HAE: 7.6 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - 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 | 395 | 7/8 | 274 | 395 | 7/8 | 274 | | NA | | | NA | | | | | |
| LNAV/VNAV DA | 390 | 7/8 | 269 | 390 | 7/8 | 269 | | NA | | | NA | | | | | |
| LNAV MDA | 500 | 1 | 379 | 500 | 1 | 379 | | NA | | | NA | | | | | |
| CIRCLING | 600 | 1 | 477 | 600 | 1 | 477 | | NA | | | NA | | | | | |



CHANGES - REASONS

1. CHANGED SEGMENTS EASTN TO GEONS DISTANCE FROM "3.29" TO "3.25" AND GEONS TO RW32 FROM "1.00" TO "1.05" IN TERMINAL ROUTES -- FIX GEONS RELOCATED.
2. CHANGED GEONS ALTITUDE FROM "600" TO "620" IN PROFILE LINE 2 -- NEW CONTROLLING OBSTACLE.
3. CHANGED 34:1 AND 20:1 FROM "IS NOT CLEAR" TO "IS CLEAR" IN PROFILE LINE 7 -- AIRPORT HAS REMOVED VISUAL OBSTACLES.
4. DELETED "CHART NOTE: PROCEDURE NA AT NIGHT" -- 20:1 OBSTACLES HAVE BEEN REMOVED.
5. DELETED "CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" -- AIRPORT HAS REMOVED VISUAL OBSTACLES.
6. DELETED "CHART NOTE: USE TAUNTON ALTIMETER SETTING" -- AIRPORT NOW HAS LOCAL ALTIMETER.
7. CHANGED NA FOR ARRIVALS AT WOONS NOTE FROM "V3-16" TO "V3" -- V16 CANCELED.
8. ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWD ALTIMETER SETTING: INCREASE LPV DA TO 432 FEET, LNAV/VNAV DA TO 427 FEET, AND ALL MDAS 40 FEET" -- AIRPORT NOW HAS LOCAL ALTIMETER; OWD DESIGNATED AS SECONDARY ALTIMETER.
9. ADDED CHART NOTES "BARO-VNAV NA WHEN USING OWD ALTIMETER SETTING" AND "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" -- LNAV/VNAV ADDED.
10. DELETED "CHART TAUNTON MUNI - KING FLD ASOS-3" IN ADDITIONAL FLIGHT DATA -- AIRPORT NOW HAS LOCAL ALTIMETER.
11. CHANGED CHART FAS OBST FROM "228 TREE (25-046572) 420012N/0711127W" TO "238 TREE 420006N/0711130W" -- NEW CONTROLLING OBSTACLE.
12. UNCHECKED NA AND ADDED "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" IN ALTERNATE MINIMUMS -- AIRPORT NOW HAS LOCAL ALTIMETER.
13. CHANGED LPV DA/HAT FROM "452/331" TO "395/274" AND VISIBILITY FROM "1" TO "7/8" -- REMOVED RA ADJUSTMENT; NEW CONTROLLING OBSTACLE.
14. ADDED LNAV/VNAV LINE OF MINIMA -- FPT REQUEST NOW THAT AIRPORT HAS LOCAL ALTIMETER.
15. CHANGED LNAV MDA/HAT FROM "520/399" TO "500/379" -- REMOVED RA ADJUSTMENT; NEW CONTROLLING OBSTACLE.
16. CHANGED CIRCLING CAT B MDA/HAA FROM "640/517" TO "600/477" -- REMOVED RA ADJUSTMENT.

4/9/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 9/5/24.

1. ADDED "CHART NOTE: PROCEDURE NA AT NIGHT" -- FAILED NIGHT EVALUATION.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZBW, BOS APP CON, BDR FSS, AMGR

FLIGHT CHECKED BY

DAVIN CHRISTOPHER OBRIEN

Digitally signed by

ALLAN WILL

Apr 10, 2025

OFFICE

FIOG

DATE

03/19/2025

DEVELOPED BY

ALLAN WILL (DANIEL C JOHNSEN)

Digitally signed by

ALLAN WILL

Apr 10, 2025

OFFICE

AJV-A423

DATE

09/09/2024

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

Apr 10, 2025

OFFICE

AJV-A423

DATE

**TITLE
MANAGER**



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | 1B9 |
| RUNWAY | RW32 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W32A |
| LTP/FTP LATITUDE | 415952.0520N |
| LTP/FTP LONGITUDE | 0711130.6995W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00076 |
| FPAP LATITUDE | 420040.0430N |
| FPAP LONGITUDE | 0711311.4095W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00055.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 04.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1752 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |

CRC REMAINDER BFF2D159

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K6 |
| LTP ORTHOMETRIC HEIGHT | +00364 |
| FPAP ORTHOMETRIC HEIGHT | +00364 |

