

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
COPTER RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.35**

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.

<b>AIRPORT ID</b> 1B9	<b>PROCEDURE NAME</b> COPTER RNAV (GPS) Y RWY 14	<b>ORIGINAL/AMENDMENT</b> 1	<b>CITY</b> MANSFIELD	<b>STATE</b> MA
<b>AIRPORT ELEVATION</b> 123	<b>TDZE</b> 121	<b>SUPERSEDED</b> COPTER RNAV (GPS) Y RWY 14	<b>DATED</b> 12/01/2022	<b>MAG VAR</b> 16W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 12 JUNE 2025	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 1995
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WOONS		WAXAL		TF	FB	1.00	082.42	8.41	3000
WAXAL	IAF	ZODED		TF	FB	1.00	048.60	3.00	2700
MILIS	IAF	ZODED		TF	FB	1.00	186.25	3.44	2700
ZODED	IF	HASUM		TF	FB	1.00	138.62	3.00	1500
HASUM	FAF	RW14	MAP	TF	FO	0.30	138.56	2.21	
RW14	MAP	480 MSL		CA			138.56		
480 MSL		BURDY		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LP: RW14  
LNAV: RW14

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 2000 DIRECT BURDY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT ZODED
- FAC: 138.56 FAF: HASUM DIST FAF TO MAP: 2.21 DIST FAF TO THLD: 2.21
- MIN ALT: ZODED 2700, HASUM 1500
- DIST TO THLD FROM OM: MM: IM: 150 HAS: GS ANT:
- MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
- GP ANGLE: 34:1 IS NOT CLEAR 20:1 IS CLEAR TCH:
- MSA FROM: RW14 2600



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART PLANVIEW NOTE: LIMIT FINAL AND MISSED APPROACH TO 70 KIAS.  
 CHART PLANVIEW NOTE: INCREASE TO 90 KIAS UPON REACHING THE MISSED APPROACH ALTITUDE; MAINTAIN 90 KIAS WHILE IN HOLDING.  
 CHART NOTE: VDP NA WHEN USING OWD ALTIMETER SETTING.  
 CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WOONS ON V3 AND T224 SOUTHWEST BOUND.  
 CHART NOTE: PROCEDURE NA AT NIGHT.  
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWD ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MILIS ON V3 AND T224 NORTHEAST BOUND.

**ADDITIONAL FLIGHT DATA:**

HOLD N, LT, 192.02 INBOUND.  
 CHART FAS OBST: 274 TOWER (25-024612) 420124N/0711308W, 230 TREE (25-037795) 420031N/0711250W.  
 CHART 341 TOWER (25-076364) 420129N/0711423W.  
 CHART VDP AT 0.53 NM TO RW14.  
 WAAS CHANNEL # 50444  
 REFERENCE PATH ID: W14B  
 CHART AT OR ABOVE 2700 AT MILIS.  
 HASUM TO RW14: 5.70/40.  
 LTP HAE: 8 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>COPTER</b>														
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>												
LP MDA	480	1	359		NA			NA			NA				
LNAV MDA	540	1	419		NA			NA			NA				

**CHANGES - REASONS**

1. CHANGED 20:1 FROM "NOT CLEAR" TO "CLEAR" IN PROFILE LINE 7 -- AIRPORT HAS REMOVED 20:1 OBSTACLES.
2. DELETED "CHART NOTE: PROCEDURE NA AT NIGHT" -- AIRPORT HAS REMOVED 20:1 OBSTACLES.
3. DELETED "CHART NOTE: USE TAUNTON ALTIMETER SETTING" AND ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWD ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET" -- AIRPORT HAS LOCAL ALTIMETER AND IS USING OWD AS SECONDARY ALTIMETER.
4. ADDED "CHART NOTE: VDP NA WHEN USING OWD ALTIMETER SETTING" -- FPT REQUEST TO PUBLISH ON PROCEDURE.
5. DELETED "CHART TAUNTON MUNI - KING FLD ASOS-3" IN ADDITIONAL FLIGHT DATA -- AIRPORT HAS LOCAL ALTIMETER.
6. CHANGED 7:1 OBSTACLES FROM "CHART 298 TOWER 415937N/0711539W, 251 TREE 420101N/0711346W" TO "CHART 341 TOWER (25-076364) 420129N/0711423W" -- NEW OBSTACLE EVALUATION; UPDATED IAW 8260.19J, 8-6-11.E(2).
7. ADDED "CHART VDP AT 0.53 NM TO RW14" IN ADDITIONAL FLIGHT DATA -- AIRPORT HAS REMOVED 20:1 OBSTACLES.
8. CHANGED CA LEG ALTITUDE FROM "520" TO "480" -- AIRPORT HAS LOCAL ALTIMETER; REMOVED FINAL RA ADJUSTMENT.
9. CHANGED LP MDA/HAT FROM "520/399" TO "480/359" AND LNAV MDA FROM "580/459" TO "540/319" -- AIRPORT HAS LOCAL ALTIMETER; REMOVED RA ADJUSTMENT.
10. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WOONS ON V3 AND T224 SOUTHWEST BOUND" AND "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MILIS ON V3 AND T224 NORTHEAST BOUND" -- TURNS GREATER THAN 90 DEGREES IAW 8260.58C, 1-2-5.A(3).
11. ADDED "CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" -- 34:1 IS NOT CLEAR; IAW WITH 8260.19J, 8-6-12.K(2).
12. UNCHECKED ALTERNATE NA BOX AND ADDED "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" -- AIRPORT HAS LOCAL ALTIMETER.

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**  
09/05/2024

**APPROVED BY**  
ALLAN WILL

*Digitally signed by*  
**ALLAN WILL**  
Apr 10, 2025

**OFFICE**  
AJV-A423

**DATE**

**TITLE**  
MANAGER

**FAS DATA BLOCK INFORMATION**

**DATA FIELD**  
**OPERATION TYPE**  
**SBAS SERVICE PROVIDER IDENTIFIER**  
**AIRPORT IDENTIFIER**  
**RUNWAY**  
**APPROACH PERFORMANCE DESIGNATOR**  
**ROUTE INDICATOR**  
**REFERENCE PATH DATA SELECTOR**  
**REFERENCE PATH IDENTIFIER (APPROACH ID)**  
**LTP/FTP LATITUDE**  
**LTP/FTP LONGITUDE**  
**LTP/FTP ELLIPSOIDAL HEIGHT**  
**FPAP LATITUDE**  
**FPAP LONGITUDE**  
**THRESHOLD CROSSING HEIGHT (TCH)**  
**TCH UNITS SELECTOR (METERS OR FEET USED)**  
**GLIDEPATH ANGLE (GPA)**  
**COURSE WIDTH AT THRESHOLD**  
**LENGTH OFFSET**  
**HORIZONTAL ALERT LIMIT (HAL)**  
**VERTICAL ALERT LIMIT (VAL)**

**DATA**  
0  
0  
1B9  
RW14  
0  
Y  
0  
W14B  
420006.7055N  
0711201.4320W  
+00080  
415918.6870N  
0711020.7605W  
00040.0  
F  
05.70  
106.75  
1840  
40.0  
00.0

**CRC REMAINDER**

A544363C

**ADDITIONAL PATH POINT RECORD INFORMATION**

**ICAO CODE**  
**LTP ORTHOMETRIC HEIGHT**  
**FPAP ORTHOMETRIC HEIGHT**

K6  
+00368  
+00368

