

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SUPERSEDED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

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WOONS	IAF	FENIP		TF	FB	1.00	052.71	9.99	3000
WHYBE	IAF	FENIP		TF	FB	1.00	185.27	10.36	3000
HOTVU	IAF	FENIP		TF	FB	1.00	228.50	5.00	3000
FENIP	IF	STIME	PFAF	TF	FB	1.00	138.47	4.99	2000
STIME	FAF	JOMGO/1.38 NM TO RW14		TF	FB	0.30	138.53	2.80	
JOMGO/1.38 NM TO RW14		RW14	MAP	TF	FO	0.30	138.53	1.38	
RW14	MAP	700 MSL		CA		1.00	138.53		700
700 MSL		BURDY		DF	FO	1.00			2000

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 DIRECT BURDY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
1. PROFILE STARTS AT FENIP
3. FAC: 138.53 FAF: STIME PFAF: STIME DIST FAF TO MAP: 4.18 DIST FAF TO THLD: 4.18
4. MIN ALT: FENIP 3000, STIME 2000, JOMGO/1.38 NM TO RW14 780
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 395 HAT: 0.77 GS ANT: OM: MM: IM:
6. MIN GP INCPT: 2000 GP ALT AT PFAF: STIME 2000
7. GP ANGLE: 4.10 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 60.0
8. MSA FROM: RW14 2600

QUALITY
39
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.

CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WHYBE ON V1 AND T303 NORTHEAST BOUND.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING OWD ALTIMETER SETTING.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWD ALTIMETER SETTING: INCREASE LPV DA TO 553 FEET AND ALL VISIBILITIES 1/8 SM, INCREASE LNAV/VNAV DA TO 566 FEET AND ALL VISIBILITIES 1/4 SM, AND INCREASE ALL MDAS 40 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WOONS ON V3 AND T224 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 192.02 INBOUND.

CHART FAS OBST: 251 TREE (25-043818) 420101N/0711346W.

CHART VDP AT 0.78 NM TO RW14.

WAAS CHANNEL # 90444

REFERENCE PATH ID: W14A

CHART CIRCLING ICON.

LTP HAE: 8 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	486	1	365	486	1	365		NA			NA				
LNAV/VNAV DA	529	1 1/8	408	529	1 1/8	408		NA			NA				
LNAV MDA	520	1	399	520	1	399		NA			NA				
CIRCLING	600	1	477	600	1	477		NA			NA				

QUALITY
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CHECKED

CHANGES - REASONS

1. CHANGED SEGMENTS STIME TO JOMGO DISTANCE FROM "2.89" TO "2.80" AND JOMGO TO RW14 FROM "1.28" TO "1.38" IN TERMINAL ROUTES -- FIX JOMGO RELOCATED.
2. CHANGED "JOMGO/1.28 NM TO RW14 740" TO "JOMGO/1.38 NM TO RW14 780" IN PROFILE LINE 4 -- FIX JOMGO RELOCATED; NEW CONTROLLING OBSTACLE.
3. CHANGED 20:1 FROM "IS NOT CLEAR" TO "IS CLEAR" IN PROFILE LINE 7 -- AIRPORT HAS REMOVED 20:1 OBSTACLES.
4. DELETED "CHART NOTE: PROCEDURE NA AT NIGHT" -- 20:1 OBSTACLES HAVE BEEN REMOVED.
5. CHANGED HELICOPTER VISIBILITY REDUCTION NOTE FROM "1 SM" TO "3/4 SM" -- AIRPORT HAS REMOVED 20:1 OBSTACLES.
6. DELETED "CHART NOTE: USE TAUNTON ALTIMETER SETTING" -- AIRPORT NOW HAS LOCAL ALTIMETER.
7. ADDED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OWD ALTIMETER SETTING: INCREASE LPV DA TO 553 FEET AND ALL VISIBILITIES 1/8 SM, INCREASE LNAV/VNAV DA TO 566 FEET AND ALL VISIBILITIES 1/4 SM, AND INCREASE ALL MDAS 40 FEET" -- AIRPORT NOW HAS LOCAL ALTIMETER; OWD DESIGNATED AS SECONDARY ALTIMETER.
9. ADDED CHART NOTES "BARO-VNAV AND VDP NA WHEN USING OWD ALTIMETER SETTING" AND "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" -- LNAV/VNAV AND VDP 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 "245 TREE (25-037723) 420059N/0711244W" TO "251 TREE (25-043818) 420101N/0711346W" -- 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 "523/402" TO "486/365" AND VISIBILITY FROM "1 1/8" TO "1" -- 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 "540/419" TO "520/399" -- 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

Digitally signed by

ALLAN WILL

Apr 10, 2025

OFFICE

AJV-A423

DATE

09/12/2024

Digitally signed by

ALLAN WILL

Apr 10, 2025

OFFICE

AJV-A423

DATE

TITLE

MANAGER

APPROVED BY

ALLAN WILL

QUALITY
39
CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	1B9
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	420006.7055N
LTP/FTP LONGITUDE	0711201.4320W
LTP/FTP ELLIPSOIDAL HEIGHT	+00080
FPAP LATITUDE	415918.6870N
FPAP LONGITUDE	0711020.7605W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	04.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1840
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	384268A7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00368
FPAP ORTHOMETRIC HEIGHT	+00368

