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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
123	121	RNAV (GPS) RWY 32	1	12/01/2022	16W	1995

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
RNAV			ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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:

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA

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				

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA

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

QUALITY 39 CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
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

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM	TO
AVONN	REPOY

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	13.67				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (25-022121)	414445.86N/0710701.27W	631	500	50	5D	1000				AT1369	3000
TERRAIN	414506.00N/0710621.00W	396 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM	TO
WOONS	RAYNM

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	24.15				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	415803.00N/0713130.00W	632	215	8	4B	1000				AT1368	3000
TERRAIN	415548.00N/0713036.00W	498 (500)								AS1500	2000

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

INITIAL

FROM	TO
DUNKK	RAYNM

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	18.14				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (25-000174)	415336.00N/0705633.00W	409	500	50	5D	1000				AT1591	3000
TERRAIN	420230.00N/0704524.00W	141 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
REPOY	RAYNM

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (25-000610)	414952.78N/0710447.46W	494	50	20	2C	1000				AT1506	3000
TERRAIN	414924.00N/0710018.00W	209 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

INITIAL

FROM	TO
SAVLE	RAYNM

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (25-000174)	415336.00N/0705633.00W	409	500	50	5D	1000				AT1591	3000
TERRAIN	415239.00N/0705639.00W	134 (100)								AS1500	1600

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM	TO
RAYNM (IF/IAF)	EASTN

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	7.33				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	415533.00N/0710506.00W	453	215	8	4B	500				AT1047	2000
TERRAIN	415533.00N/0710506.00W	252 (300)								AS1500	1800

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

FINAL: LPV

FROM	TO
EASTN	RW32

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	4.30		DA	274	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (25-025711)	415954.10N/0711123.82W	182	20	3	1A		25.50:1			SA-12 MA24	395

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM	TO
EASTN	RW32

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	1.05		DA	269	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	420006.00N/0711130.00W	238	215	8	4B	142				AC8 MA2	390

COMPUTATIONS

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

SEGMENT REMARKS:

LNAV/VNAV OCS 17.55:1.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

FINAL: LNAV

FROM	TO
EASTN	GEONS/1.05 NM TO RW32

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	3.25				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	415833.00N/0710700.00W	315	215	8	4B	250				RA40	620

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM	TO
GEONS/1.05 NM TO RW32	RW32

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	1.05		RW32	379	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	420006.00N/0711130.00W	238	215	8	4B	250					500

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

HOLD-IN-LIEU OF PT

FROM	TO
RAYNM	P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-5			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
STACK (25-000467)	414807.00N/0704715.00W	419	100	20	3C	1000				AT1581	3000
TERRAIN	415021.00N/0705848.00W	200 (200)								AS1500	1700

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM	TO
DA	WHYBE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					171

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (25-044157)	415953.75N/0711118.31W	206	20	3	1A		ASC				3000
TOWER (25-020008)	420544.10N/0711348.60W	878	250	50	4D	1000					1900
TERRAIN	420327.00N/0711903.00W	436 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

MISSED APPROACH: LNAV/VNAV

FROM	TO
DA	WHYBE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30					248

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	420024.00N/0711030.00W	248	215	8	4B		ASC				3000
TOWER (25-020008)	420544.10N/0711348.60W	878	250	50	4D	1000					1900
TERRAIN	420327.00N/0711903.00W	436 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM	TO
RW32	WHYBE

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					400

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (25-020008)	420544.10N/0711348.60W	878	250	50	4D	1000					1900
TERRAIN	420327.00N/0711903.00W	436 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

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											
TREE	415930.00N/0711315.00W	1.30	477	288	215	8	4B	300			600
CATEGORY B											
TOWER (25-024615)	415949.40N/0710914.30W	1.81	477	294	20	3	1A	300			600

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW32	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (25-000622)	420310.71N/0714904.37W	293	28.2	1571	20	3	1A	1000			2600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
1B9	RNAV (GPS) RWY 32	2	MANSFIELD	MA	123	RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BOS APP CON, BDR FSS, ZBW ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	1B9	24	1B9	0.08	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	OWD	24	OWD	11.43	Y	37

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
K1B9 123, KOWD 49
RA = 36.7.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW22		
RW04		
RW14 - MIRL (PCL)	BSC-G	
RW32 - MIRL (PCL), PAPI-4L (PCL)	NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
4.00	119.4	55.0			4.00	37.7

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	[X]	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE 237
ON CENTERLINE	[X]	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-15C	+54C	-15C	+14.76C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 947 HIGH TEMP 1125.

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT 100 FEET PER FPT.

VDP NA - LOCATED WITHIN 0.5 NM FROM FINAL FIX.

RWY 04-22 IS TURF.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	**TO 1000FT POINT**	2.91
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	302.64
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	100
DISTANCE FROM	THLD	**TO 1500FT POINT**	4.30
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	2.13
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	302.64
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	100

THRESHOLD COORDINATES (IF STR-IN)	415952.05N/0711130.70W
ARP COORDINATES	420003.17N/0711152.95W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 32 DISTANCE 0.37 NM
FAF COORDINATES	415733.06N/0710639.56W
FIX NAME COORDINATES	

REMARKS

THLD DISPLACED 237FT, ACTUAL COORDINATES: 415950.79N/0711128.06W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ALLAN WILL (DANIEL C JOHNSEN)	AJV-A423	09/09/2024	AERONAUTICAL INFORMATION SPECIALIST