

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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> MHT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> MANCHESTER	<u>STATE</u> NH
<u>AIRPORT ELEVATION</u> 266	<u>TDZE</u> 229	<u>SUPERSEDED</u> ILS OR LOC RWY 17	<u>ORIGINAL/AMENDMENT</u> 3A	<u>DATED</u> 02/28/2019
<u>FACILITY</u> I-MNA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 15W
				<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PURBL	IAF	LYLAC		TF	FB	1.00	022.58	6.08	3000
LYLAC		BLSSM		TF	FB	1.00	090.13	4.22	3000
BLSSM		BLUUM		TF	FB	1.00	138.37	3.27	2500
CON VOR/DME	IAF	BLUUM/I-MNA 6.89 DME					177.80	10.61	2500
BLUUM/I-MNA 6.89 DME	IF	ORDIE/I-MNA 3.75 DME					171.52	3.14 (I-MNA)	1600

MISSED APPROACH

MAP:

ILS: DA
LOC: I-MNA 0.31 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 2100 ON HEADING 145 AND ON CON VOR/DME R-171.47 TO MANCH/CON 22.87 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT	BLUUM/I-MNA 6.89 DME				
3. FAC:	171.52	FAF: ORDIE/I-MNA 3.75 DME	DIST FAF TO MAP:	DIST FAF TO THLD:	4.05
4. MIN ALT:	BLUUM/I-MNA 6.89 DME 2500, ORDIE/I-MNA 3.75 DME 1600, SITLE/I-MNA 1.30 DME 780				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	825
6. MIN GS INCPT:	1600	GS ALT AT PFAF: ORDIE/I-MNA 3.75 DME 1600	OM:	MM:	IM:
7. GS ANGLE:	3:10	34:1:	20:1:	TCH:	49.1
8. MSA FROM:	CON VOR/DME 4200				



PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM PURPL.

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT PURBL: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 5000 AT PURBL.
CHART IN PROFILE: I-MNA DME ANTENNA.
HOLD S, RT, 351.47 INBOUND.
CHART FAS OBST: 397 TREE (33-028534) 425722N/0712710W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 900-2 3/4

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
S-ILS 17	429	1800	200	429	1800	200	429	1800	200	429	1800	200			
S-LOC 17	660	2400	431	660	2400	431	660	4000	431	660	4000	431			
CIRCLING	880	1	614	880	1	614	980	2	714	1100	2 3/4	834			

CHANGES - REASONS

1. CHANGED MISSED APPROACH FROM "CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT MHT VOR/DME AND HOLD" TO "CLIMB TO 900 THEN CLIMBING LEFT TURN TO 2100 ON HEADING 145 AND CON VOR/DME R-171 TO MANCH/CON 22.87 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2100" - MHT VOR/DME REMOVED, VOR MON
2. DELETED ALT MISSED APPROACH - OTHER HOLDING POINTS NOT CONSIDERED DO TO ATC AIRSPACE RESTRICTIONS.
3. MSA CHANGED FROM MHT VOR/DME TO CON VOR/DME - MHT VOR/DME REMOVED, CON VOR/DME NEXT OMNIDIRECTIONAL FACILITY.
4. PBN NOTE CHANGED FROM "PURBL: RNAV 1 - GPS REQUIRED" TO "RNP APCH-GPS. FROM PURPL" - IAW 8260.19I 8-6-8 PBN HYBRID REQUIREMENT NOTES.
5. SITLE STEP DOWN FIX ALTITUDE LOWERED FROM 800 TO 780 - UPDATED TARGETS EVALUATION.
6. DELETED LOC ONLY NOTE AND ASTERISK FROM SITLE IN THE PROFILE VIEW - NOTE NO LONGER REQUIRED BY CRITERIA.



COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER:

ZBW, BOS APP CON, MHT ATCT, AMGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by

CASIMIR L TABAKA

Mar 14, 2024

OFFICE

FPO

DATE

02/22/2024

DEVELOPED BY

JOSEPH L. ZEDER

Digitally signed by

CASIMIR L TABAKA

Jan 26, 2024

OFFICE

AJV-A432

DATE

11/01/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Jan 26, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

