

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</u> MANCHESTER	<u>AIRPORT ID</u> KMHT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17	<u>ORIGINAL/AMENDMENT</u> 3A	<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SUPERSEDED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> 3	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 15W
<u>FACILITY</u> I-MNA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
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 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT MHT VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 900 THEN CLIMBING LEFT TURN TO 4000 DIRECT CON VOR/DME AND HOLD.

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- PROFILE STARTS AT BLUUM/I-MNA 6.89 DME
- FAC:** 171.52 **FAF:** ORDIE/I-MNA 3.75 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 4.05
- MIN ALT:** BLUUM/I-MNA 6.89 DME 2500, ORDIE/I-MNA 3.75 DME 1600, SITLE/I-MNA 1.30 DME 800*
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 825
- MIN GS INCPT:** 1600 **GS ALT AT FAF :** ORDIE/I-MNA 3.75 DME 1600 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.10 **34:1:** **20:1:** **TCH:** 49.1
- MSA FROM:** MHT VOR/DME 046-136 2600, 136-226 2000, 226-046 3500



EQUIPMENT REQUIREMENTS NOTES:

FROM PURBL: RNAV 1-GPS REQUIRED. DME REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
*LOC ONLY
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.
CHART CIRCLING ICON.
CHART IN PLANVIEW: CON VOR/DME
CHART FAS OBST: 397 TREE 425722N/0712710W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW CON VOR/DME, RT, 149.75 INBOUND. HOLD SE, LT, 337.00 INBOUND

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 S-LOC 17 MISSED APPROACH POINT FROM I-MHT 0.31 DME TO I-MNA 0.31 DME - CLEARED FDC NOTAM 8/6580.
2. REMOVED ALL REFERENCES TO NASHUA BACK-UP ALTIMETER SETTING - TOWER HAS REDUNDANT WEATHER SOURCES SO A BACK-UP ALTIMETER SOURCE IS NOT REQUIRED.
3. UPDATED EQUIPMENT REQUIREMENTS NOTE; CHANGED TO PURBL: RNAV 1-GPS REQUIRED. DME REQUIRED.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZBW, BOS APP CON, MHT ATCT, AMGR, ATA

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY

JULIE A. MORGAN (LORRI DOWNEY)

APPROVED BY

JULIE MORGAN

Digitally signed by

DAVID DANNER

Nov 01, 2018

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OFFICE

OFFICE

AJV-5420

OFFICE

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DATE

DATE

09/21/2018

DATE

TITLE

MANAGER

