

**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> KMHT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 35 ILS RWY 35 (SA CAT I), ILS RWY 35 (CAT II), ILS RWY 35 (CAT III)	<u>ORIGINAL/AMENDMENT</u> 5	<u>CITY</u> MANCHESTER	<u>STATE</u> NH			
<u>AIRPORT ELEVATION</u> 266	<u>TDZE</u> 265	<u>SUPERSEDED</u> ILS OR LOC RWY 35 ILS RWY 35 (SA CAT I), ILS RWY 35 (CAT II), ILS RWY 35 (CAT III)	<u>ORIGINAL/AMENDMENT</u> 4A	<u>DATED</u> 12/05/2019	<u>MAG VAR</u> 15W	<u>EPOCH YEAR</u> 2020	
<u>FACILITY</u> I-MHT	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>			

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>
PELAN/I-MHT 12.42 DME	IAF	YOULL/I-MHT 8.66 DME					351.53	3.76 (I-MHT)	2500
SHOWZ	IAF	IHOBB		TF	FB	1.00	152.98	6.24	3000
IHOBB		ELEEE		TF	FB	1.00	086.67	5.27	3000
ELEEE		YOULL/I-MHT 8.66 DME		TF	FB	1.00	022.17	3.47	2500
YOULL/I-MHT 8.66 DME	IF	MNTIN/I-MHT 5.64 DME					351.53	3.01 (I-MHT)	1600

MISSED APPROACH

MAP:

ILS: DA
LOC: I-MHT 1.63 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT CON VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT YOULL

3. FAC:

351.53

FAF: MNTIN/I-MHT 5.64 DME

DIST FAF TO MAP:

DIST FAF TO THLD: 4.02

4. MIN ALT: YOULL/I-MHT 8.66 DME 2500, MNTIN/I-MHT 5.64 DME 1600, XOHWI/I-MHT 3.53 DME 880*

5. DIST TO THLD FROM OM:

MM: 2754

IM: 861

100 HAT: 861

150 HAT: 1815

GS ANT: 1222

6. MIN GS INCPT:

1600

GS ALT AT FAF :

MNTIN/I-MHT 5.64 DME 1600

OM:

MM: 509

IM: 410

7. GP ANGLE:

3.00

34:1:

20:1:

TCH:

54.9

8. MSA FROM: KMHT 3700

EQUIPMENT REQUIREMENTS NOTES:

FROM SHOWZ: RNAV 1-DME/DME/IRU OR GPS REQUIRED.
DME OR RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 35: CAT A, B, C, D, RA 138, RVR 1400, HAT 150, DA 415 MSL.
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 35: CAT A, B, C, D, RA 101, RVR 1200, HAT 100, DA 365 MSL.
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 35: CAT A, B, C, D, RVR 700
CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
CHART PROFILE NOTE: USE I-MHT DME WHEN ON THE LOCALIZER COURSE.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 35 CATS A/B VISIBILITY TO RVR 5500.
CHART SPEED ICON IN PLANVIEW AT SHOWZ: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 5000 AT SHOWZ.
HOLD NW, RT, 149.75 INBOUND.
CHART FAS OBST: 463 TREE 425410N/0712447W.
CHART VDP AT 2.84 DME*
DISTANCE VDP TO THLD 1.21 NM.
*LOC ONLY.

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 35	465	1800	200	465	1800	200	465	1800	200	465	1800	200			
S-LOC 35	720	4000	455	720	4000	455	720	4500	455	720	4500	455			



AIRPORT ID
KMHT

PROCEDURE NAME
ILS OR LOC RWY 35
ILS RWY 35 (SA CAT I),
ILS RWY 35 (CAT II),
ILS RWY 35 (CAT III)

ORIGINAL/AMENDMENT
5

CITY
MANCHESTER

STATE
NH

CHANGES - REASONS

1. DELETED INITIAL SEGMENT ROUTE FROM LWM VOR/DME TO PELAN - LWM VOR/DME DECOMMISSIONING.
2. ADDED IAF TO FIX TYPE FOR PELAN INT/I-MHT 12.42 DME - PER FPT REQUEST.
3. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3000 ON HEADING 355.00 AND MHT VOR/DME R-347 TO BLUUM/MHT 12.44 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000" TO "CLIMB TO 4000 DIRECT CON VOR/DME AND HOLD" - PER FPT REQUEST.
4. DELETED ALTERNATE MISSED APPROACH INSTRUCTIONS - PER FPT REQUEST.
5. CHANGED LINE 8 MSA FROM: FROM "MHT VOR/DME 046-136 2600, 136-226 2000, 226-046 3500" TO "KMHT 3700" - PER FPT REQUEST AND MHT VOR/DME DECOMMISSIONING.
6. CHANGED EQUIPMENT REQUIREMENTS NOTE FROM "DME REQUIRED" TO DME AND RADAR REQUIRED" - PER FPT REQUEST.
7. DELETED CHART SPEED ICON IN PLANVIEW AT LWM. MAX 210 KIAS - LWM DECOMMISSIONING DELETED INITIAL SEGMENT.
8. DELETED ADDITIONAL FLIGHT DATA NOTE "DO NOT CHART ALTERNATED MISSED APPROACH HOLDING AT FERNS/CON 12.00 DME - ALTERNATE MISSED APPROACH DELETED PER FPT REQUEST.
9. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "HOLD N, LT, 166.57 INBOUND" TO HOLD NW, RT 149.75 INBOUND" - NEW MISSED HOLDING AT CON VOR/DME PER FPT REQUEST.

COORDINATED WITH:

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

FLIGHT CHECKED BY

JEREMY R VIRTIS

Digitally signed by
DONALD H LANIER
Jan 26, 2021

OFFICE

FICO

DATE

12/16/2020

DEVELOPED BY

DONALD H. LANIER (DEXTER SWEETING)

Digitally signed by
DONALD H LANIER

OFFICE

AJV-A431

DATE

09/22/2020

APPROVED BY

LONNIE EVERHART

Jan 26, 2021
Digitally signed by
DONALD H LANIER
Jan 26, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER

QUALITY
10
CHECKED