

**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 6	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> MANCHESTER	<u>STATE</u> NH
<u>AIRPORT ELEVATION</u> 266	<u>TDZE</u> 224	<u>SUPERSEDED</u> ILS OR LOC RWY 6	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 15W
<u>FACILITY</u> I-MJE	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<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>
GDM VOR/DME	IAF	JAAZZ INT/GDM 25.45 DME		CF	FB		066.28	25.45	3100
TEETO	IAF	JAAZZ		TF	FB	1.00	111.22	4.67	3100
JAAZZ INT/GDM 25.45 DME	IF	FITZY LOM/INT		CF	FB		057.42	4.83 (I-MJE)	2100

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.29 NM AFTER FITZY LOM/INT

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 ON HEADING 057.42 AND CON VOR/DME R-154 TO KHRIS INT/CON 21.30 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MHT VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**PROFILE:**

1. PT      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
2. PROFILE STARTS AT JAAZZ/GDM 25.45 DME
3. **FAC:** 057.42      **PFAF:** FITZY LOM/INT                      **DIST PFAF TO MAP:** 5.29                      **DIST PFAF TO THLD:** 5.29
4. **MIN ALT:**    JAAZZ INT/GDM 25.45 DME 3100, FITZY LOM/INT 2100
5. **DIST TO THLD FROM OM:** 5.29                      **MM:**                      **IM:**                      **150 HAT:**                      **HAT:**                      **GS ANT:** 943
6. **MIN GS INCPT:** 2100                      **GS ALT AT PFAF :**                      **OM:** 2002                      **MM:**                      **IM:**
7. **GP ANGLE:** 3.00                      **34:1:**                      **20:1:**                      **TCH:** 50.1
8. **MSA FROM:** MJ LOM 026-206 2800, 206-026 4400

**EQUIPMENT REQUIREMENTS NOTES**

PBN REQUIREMENTS NOTE: FROM TEETO: RNAV 1-DME/DME/IRU OR GPS REQUIRED FOR PROCEDURE ENTRY.



**NOTES:**

CHART SPEED ICON IN PLANVIEW AT TEETO: MAX 210 KIAS.

**ADDITIONAL FLIGHT DATA:**

CHART MANDATORY 5000 AT TEETO.  
 CHART CIRCLING ICON.  
 CHART IN PLANVIEW: MHT VOR/DME  
 FAS OBST: 579 AAO 425239N/0713029W.  
 679 AAO 425149N/0713310W.  
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE MHT VOR/DME, RT, 246.00 INBOUND.  
 HOLD NW, RT, 154.25 INBOUND

**MINIMUMS:**

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

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

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>												
S-ILS 06	474	4000	250	474	4000	250	474	4000	250	474	4000	250			
S-LOC 06	840	5500	616	840	5500	616	840	1 3/4	616	840	1 3/4	616			
CIRCLING	880	1	614	880	1	614	980	2	714	1100	2 3/4	834			

**CHANGES - REASONS**

1. DELETED ALL REFERENCES TO NASHUA BACK-UP ALTIMETER SETTING - WHEN AMDT 2 WAS BEING PROCESSED IN 2015, THERE WAS A POSSIBILITY THAT MHT CONTROL TOWER WOULD OPERATE LESS THAN 24 HOURS. EASTERN FPT ADVISES THAT REDUCED HOURS ARE NO LONGER BEING CONSIDERED. TOWER HAS REDUNDANT WEATHER SOURCES SO A BACK-UP ALTIMETER SOURCE IS NOT REQUIRED.
2. DELETED GPS REQUIRED NOTE AT TEETO - REPLACED BY PBN REQUIREMENT NOTE.
3. ADDED PBN REQUIREMENTS NOTE: FROM TEETO: RNAV 1-DME/DME/IRU OR GPS REQUIRED FOR PROCEDURE ENTRY - FORMATTED IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-8. DME/DME/IRU ADDED PER EASTERN FPT REQUEST (RNAV PRO RUNS ATTACHED TO PROJECT).
4. DELETED ALTERNATE MINIMUMS RESTRICTIONS NA WHEN CONTROL TOWER CLOSED AND NA WHEN LOCAL WEATHER NOT AVAILABLE - NOT NEEDED, MHT OPERATES 24 HOURS AND IS EQUIPPED WITH REDUNDANT WEATHER SOURCES.
5. AMENDED S-ILS 6 ALTERNATE MINIMUMS FROM CAT A/B 700-2, CAT C 800-2, CAT D 900-2 3/4 TO ALL CATS STANDARD - COMPUTED IN ACCORDANCE WITH FAAO 8260.3, PARA 3-4-1A(2).
6. DELETED NOTE HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 VISUAL SURFACE CLEAR OF PENETRATIONS..
7. ADDED 679 AAO 425149N/0713310W IN ADDITIONAL FLIGHT DATA - 7:1 OBSTACLE IDENTIFIED DURING NEW OBSTACLE STUDY.
8. AMENDED GLIDESLOPE ALTITUDE AT OM FROM 1978 TO 2002 - MATCH I-MHT AIRNAV DATASHEET VALUE.
9. AMENDED GLIDESLOPE INTERCEPT ALTITUDE FROM 2000 TO 2100 - INCREASED TO ENSURE GLIDESLOPE ALTITUDE IS ABOVE UPDATED CHECK ALTITUDE AT OM.



COORDINATED WITH:

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

FLIGHT CHECKED BY

DURLEY J FELDER

*Digitally signed by*  
**ROBERT G HAMILTON**

Jun 11, 2018

OFFICE

FICO

DATE

6/8/18

DEVELOPED BY

PETER R. GUIMOND

*Digitally signed by*  
**PETER R GUIMOND**  
Mar 06, 2018

Jun 11, 2018

OFFICE

AJV-5422

DATE

03/06/2018

APPROVED BY

JULIE MORGAN

*Digitally signed by*  
**ROBERT G HAMILTON**

Jun 11, 2018

OFFICE

AJV-5420

DATE

TITLE

