

**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.

<u>AIRPORT ID</u> KMHT	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 17	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> MANCHESTER	<u>STATE</u> NH		
<u>AIRPORT ELEVATION</u> 266	<u>TDZE</u> 229	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 17	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 15W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CON VOR/DME	IAF	BLUUM		TF	FB	1.00	177.80	10.61	2500
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
BLUUM	IF	ORDIE		TF	FB	1.00	171.48	3.14	1600
ORDIE	FAF	RW17	MAP	TF	FO	0.30	171.49	4.05	
RW17	MAP	429 MSL		CA			171.49		
429 MSL		YOULL		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT YOULL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO FORM - 8260.19I, 8-3-4.C.(3).
2. DELETED "DISTANCE TO THLD FROM 200 HAT: 0.46 NM" FROM ADDITIONAL FLIGHT DATA AND ADDED "200 HAT: 0.49" TO LINE 5 - IAW 8260.19I, 8-6-7.E(3) AND NEW TARGETS EVALUATION.
3. REMOVED ADDITIONAL FLIGHT DATA: "549 AAO 430002N/0712912W" - NO 7:1 EVALUATION NECESSARY PER NEW TARGETS EVALUATION.
4. AMENDED ALTERNATE MINIMUMS FROM "STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE." TO "STANDARD - CAT D 900-2 3/4" - IAW 8260.19I, 8-6-11.B.(4).
5. RAISED LNAV/VNAV DA/HAT FROM 729/500 TO 760/531 - NEW CONTROLLING OBSTACLE PER TARGETS EVALUATION, MATCHED MINIMUMS TO LNAV MINIMUMS IAW 8260.58A, 3-3-5.
6. AMENDED LNAV/VNAV VISIBILITY ALL CATS FROM 6000 TO 5500, LNAV CATS C/D FROM 6000 TO 5500 - NEW TARGETS EVALUATION AND VIS CHECK RESULTS.
7. REPLACED CHART NOTE "DME/DME RNP-0.3 NA" WITH "PBN REQUIREMENTS NOTE: RNP APCH-GPS" - CHANGED PER NAVSPEC REQUIREMENT IAW 8260.19H PARA 8-6-8B(2).
8. CHANGED VGSI NOTE FROM "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT." TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - UPDATED NOTE FORMAT IAW 8260.19I 8-6-9M(2).
9. ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - IAW 8260.19I PARA 8-6-7G(3).
10. DELETED BACK UP ALTIMETER NOTES - PRIMARY ALTIMETER IS ON WMSCR AND IT HAS REDUNDANT WEATHER SOURCES.
11. AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C (-4°F) OR ABOVE 48°C (118°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C" - IAW 8260.19I, 8-6-9.R.
12. ADDED NOTE "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT A/B VISIBILITY TO RVR 5500." - NEW VIS CHECK RESULTS IAW 8260.19I, 8-6-11.O.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-1000) MEMO, DATED JUNE 4, 2020,
SUBJECT: FLIGHT INSPECTION OF NEW CONTROLLING OBSTACLES

OFFICE	<i>Digitally signed by</i>	DATE
	JOHN BORDY	
	Feb 25, 2021	

DEVELOPED BY

JOHN BORDY (ERIC J APPENZELLER)

JOHN BORDY	OFFICE	DATE
Feb 25, 2021	AJV-A422	12/30/2020

APPROVED BY

MARLON ROBINSON

<i>Digitally signed by</i>	OFFICE	DATE	TITLE
JOHN BORDY	AJV-A420		MANAGER
Feb 25, 2021			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMHT
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	425627.3150N
LTP/FTP LONGITUDE	0712620.6500W
LTP/FTP ELLIPSOIDAL HEIGHT	+00390
FPAP LATITUDE	425505.5695N
FPAP LONGITUDE	0712532.3365W
THRESHOLD CROSSING HEIGHT (TCH)	00049.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0032
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1B097939

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00665
FPAP ORTHOMETRIC HEIGHT	+00665

