

**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) RWY 24	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MANCHESTER	<u>STATE</u> NH		
<u>AIRPORT ELEVATION</u> 266	<u>TDZE</u> 242	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 11/07/2019	<u>MAG VAR</u> 15W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 147/30 CW 328/30	NOPT	147/10 CW 328/10		5100
2. 147/10 CW 328/10		WAVBO	IF/IAF	2900
3. 328/30 CW 058/30		FABIG	IAF	2900
4. 058/30 CW 147/30		058/7 CW 147/7		5100
5. 058/7 CW 147/7		PUTRE	IAF	2900

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FABIG	IAF	WAVBO	NOPT	TF	FB	1.00	327.61	6.00	2900
PUTRE	IAF	WAVBO	NOPT	TF	FB	1.00	147.47	6.00	2900
WAVBO	IF/IAF	ONGEE		TF	FB	1.00	237.54	6.03	1800
ONGEE	FAF	RW24	MAP	TF	FO	0.30	237.48	4.74	
RW24	MAP	666 MSL		CA			237.48		
666 MSL		CON VOR/DME		DF	FO	1.00			5000



CHANGES - REASONS

1. INCORPORATED ALL CHANGES FROM P-NOTAM AMDT 1C INTO THIS PROCEDURE - 8260.19H.
2. ADDED TAA - PER FPT REQUEST.
3. DELETED ALL FEEDER ROUTES AND INITIAL ROUTE FROM ENE VOR/DME - REPLACED WITH TAA PER FPT REQUEST.
4. CHANGED INITIAL ROUTE PUTRE TO WAVBO COURSE /DISTANCE/ALTITUDE FROM "148.37/5.00/2800" TO "147.47/6.00/2900" - FIX MOVED 1 NM NORTHWEST PER FPT REQUEST; MINIMUM ALTITUDE INCREASED DUE TO NEW OBSTACLE EVALUATION.
5. CHANGED INITIAL ROUTE FROM FABIG TO WAVBO COURSE/DISTANCE/ALTITUDE FROM "328.49/5.00/2800" TO "327.61/6.00/2900" - FIX MOVED 1 NM SOUTHEAST PER FPT REQUEST; MINIMUM ALTITUDE INCREASED DUE TO NEW OBSTACLE EVALUATION.
6. CHANGED INTERMEDIATE ROUTE FROM WAVBO TO ONGEE FIX TYPE FROM "IF" TO "IF/IAF" AND DISTANCE FROM "6.10" TO "6.03" - FAF ONGEE MOVED 384.70 FT NORTHEAST TO ALIGN WITH 3.00 GPA; ADDED HILPT TO FIX WAVBO FOR TAA PER FPT.
7. CHANGED FINAL ROUTE ONGEE TO RW24 DISTANCE FROM "4.67" TO "4.74" - FAF ONGEE MOVED 384.70 FT NORTHEAST TO ALIGN WITH 3.00 GPA.
8. CHANGED PROFILE LINE 2 FROM "PROFILE STARTS AT WAVBO" TO "HOLD NE WAVBO, RT, 237.54 INBOUND, 2900 FT, IN LIEU OF PT (IF/IAF), MAX 6000" - TAA ESTABLISHED PER FPT.
9. CHANGED PROFILE LINE 3 DIST FAF TO MAP AND DIST FAF TO THLD FROM "4.67" TO "4.74" - ONGEE MOVED 384.70 FT NORTHEAST.
10. CHANGED PROFILE LINE 4 FROM "WAVBO 2800, ONGEE 1800" TO "WAVBO 2900, ONGEE 1800" - INCREASED MINIMUM ALTITUDE DUE TO NEW OBSTACLE EVALUATION.
11. ADDED "IS CLEAR" TO PROFILE LINE 7 20:1 - IAW 8260.19H.
12. DELETED MSA FROM PROFILE LINE 8 - MSA REPLACED WITH TAA PER FPT REQUEST.
13. DELETED PLANVIEW NOTE: "RADAR REQUIRED FOR ARRIVALS AT LWM VOR/DME" AND "PROCEDURE NA FOR ARRIVALS AT ENE VOR/DME AIRWAY RADIALS 197 CW 300 AND ARRIVALS AT CON VOR/DME ON V141 NORTHBOUND" - FEEDER AND INITIAL SEGMENTS DELETED PER FPT REQUEST.
14. CHANGED CHART NOTE FROM "RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 5000 RVR NOT AUTHORIZED" TO "RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 4000 RVR NOT AUTHORIZED" - 20:1 VISUAL SURFACE IS CLEAR.
15. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "ONGEE TO RW24: 3.04/50" TO "ONGEE TO RW24: 3.00/50" - MOVED FAF TO ALIGN WITH 3.00 GPA.
16. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST: 669 TREE 425923N/0712013W" TO "FAS OBST: 589 AAO 425933N/0712251W" - NEW CONTROLLING OBSTACLE.
17. ADDED VDP TO ADDITIONAL FLIGHT DATA - 20:1 VISUAL SURFACE IS CLEAR.
18. INCREASED LNAV CAT A/B VISIBILITY FROM "5000" TO "5500" - NEW VIS CHECK RESULTS.

COORDINATED WITH:

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

FLIGHT CHECKED BY

DANIEL KIRBY

Digitally signed by
DONALD H LANIER

OFFICE

FICO

DATE

01/20/2021

DEVELOPED BY

DONALD H. LANIER (DEXTER SWEETING)

Jan 26, 2021
Digitally signed by
DONALD H LANIER

OFFICE

AJV-A431

DATE

09/16/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by
DONALD H LANIER
Jan 26, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER

