

**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 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SUPERSEDED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> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 02/27/2020	<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>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 327/30 CW 010/30	NOPT	HEDGI	IF/IAF	3000
2. 010/30 CW 060/30	NOPT	010/16 CW 060/16		3500
3. 010/16 CW 060/16		HEDGI	IF/IAF	3000
4. 060/30 CW 147/30	NOPT	060/9 CW 147/9		5400
5. 060/9 CW 147/9		HEDGI	IF/IAF	3000
6. 147/30 CW 237/30		147/7 CW 237/7		5100
7. 147/7 CW 237/7		FOSAN	IAF	3600
8. 237/30 CW 327/30		HAKAM	IAF	3000



**TERMINAL ROUTES** THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-12.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HAKAM	IAF	HEDGI	NOPT	TF	FB	1.00	327.36	6.70	3000
FOSAN	IAF	HEDGI	NOPT	TF	FB	1.00	147.21	6.70	3000
HEDGI	IF/IAF	CUTSA		TF	FB	1.00	057.28	6.17	2000
CUTSA	FAF	RW6	MAP	TF	FO	0.30	057.36	5.43	
RW6	MAP	474 MSL		CA			057.36		
474 MSL		CUXOV		DF	FB	1.00			
CUXOV		KHRIS		TF	FO	1.00	139.45	5.31	3000



**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW6

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT CUXOV AND ON TRACK 139.45 TO KHRIS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW HEDGI, RT, 057.28 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 057.36	FAF: CUTSA		DIST FAF TO MAP: 5.43		DIST FAF TO THLD: 5.43
4. MIN ALT: HEDGI 3000, CUTSA 2000					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.63	GS ANT:
6. MIN GP INCPT: 2000	GP ALT AT FAF :	CUTSA 2000		OM:	MM:
					IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 50.3		
8. MSA FROM:					


**PBN REQUIREMENTS NOTE:**

RNP APCH-GPS.

**NOTES:**

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON. 

HOLD NW, RT, 154.25 INBOUND.  
 FAS OBST: 576 AAO 425237N/0713030W.  
 CHART VDP AT 1.78 NM TO RW06.  
 WAAS CHANNEL # 58214  
 REFERENCE PATH ID: W06A  
 LTP HAE: 40 M



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

**ALTERNATE:** NA  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
LPV DA	474	4000	250	474	4000	250	474	4000	250	474	4000	250			
LNAV/VNAV DA	840	1 3/4	616	840	1 3/4	616	840	1 3/4	616	840	1 3/4	616			
LNAV MDA	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**

- REMOVED ALL ASSOCIATION WITH PSM VOR/DME, INCLUDING FEEDER - PSM IS SCHEDULED FOR VOR MON DECOMMISSIONING.
- DELETED MSA AND ADDED RNAV TAA - REQUESTED BY ATC
- DELETED FEEDER FROM CON VOR/DME - DUE TO THE CREATION OF A TAA
- TERMINAL ROUTES - DELETED INITIAL AT COOSA AND ADDED HIL AT HEDGI- DUE TO CREATION OF A TAA
- TERMINAL ROUTES - COURSE/DISTANCE FROM HAKAM TO HEDGI CHANGED FROM 327.35/5.00 TO 327.36/6.70 - CHANGED TO ACCOMMODATE ATC VECTORING
- TERMINAL ROUTES - COURSE/DISTANCE FROM FOSAN TO HEDGI CHANGED FROM 147.23/5.00 TO 147.21/6.70 - CHANGED TO ACCOMMODATE ATC VECTORING
- TERMINAL ROUTES - COURSE/DISTANCE FROM CUTSA TO RW06 CHANGED FROM 057.35/5.35 TO 057.36/5.43 - NEW TARGETS EVALUATION
- TERMINAL ROUTES - CA ALTITUDE FROM MAP CHANGED FROM 493 TO 474 - IAW 8260.58A 3-5-2(B).
- PROFILE LINE 2 - CHANGED FROM "PROFILE STARTS AT HEDGI" TO "HOLD SW HEDGI, RT, 057.28 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000." - HIL ADDED DUE TO THE CREATION OF THE TAA
- PROFILE LINE 3 - FAC/DIST FAF TO MAP/THLD CHANGED FROM 057.35/5.35 TO 057.36/5.43 RESPECTIVELY - NEW TARGETS EVAL AND TCH CHANGED TO MATCH VGSI.
- PROFILE LINE 5 - ADDED 250 HAT: 0.63 - NEW TARGETS EVAL
- PROFILE LINE 7 - CHANGED 34:1 FROM "IS NOT CLEAR" TO "IS CLEAR" AND ADDED 20:1 "IS CLEAR" - NEW TARGETS EVAL
- PROFILE LINE 7 - TCH CHANGED FROM 48.4 TO 50.3 - CHANGED TO MATCH VGSI
- NOTES - REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED "RNP APCH-GPS" TO EQUIPMENT REQUIREMENT NOTES - CURRENT NOTATION PER 8260.19I.
- NOTES - CHANGED NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C." - IAW 8260.19I PARA 8-6-9.R.
- NOTES - REMOVED "RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - NEW OBSTACLE EVALUATION/34:1 IS CLEAR.
- NOTES - REMOVED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT CON VOR/DME ON AIRWAY RADIALS 172 CW 246, AND ARRIVALS AT PSM VOR/DME ON V3 NORTHBOUND. - FEEDERS REMOVED FOR TAA AND PSM VOR MON
- NOTES - REMOVED PLANVIEW NOTE "RADAR REQUIRED FOR PROCEDURE ENTRY AT COOSA." - COOSA REMOVED FOR TAA
- NOTES - REMOVED NOTES REFERENCING BOIRE FIELD ALTERNATE ALTIMETER - 24 HOUR CONTROL TOWER HAS REDUNDANT WEATHER SOURCES. BACK-UP ALTIMETER NOT REQUIRED.
- ADDITIONAL FLIGHT DATA - FAS OBSTACLE CHANGED FROM 547 TOWER 425427N/0712741W TO 576 AAO 425237N/0713030W. - NEW TARGETS EVAL
- ADDITIONAL FLIGHT DATA - VDP CHANGED FROM 1.66 NM TO 1.78 NM - NEW TARGETS VDP CALCULATIONS.
- ADDITIONAL FLIGHT DATA - REMOVED "LNAV ONLY" AND CORRESPONDING \* FROM VDP NOTE - 8260.19I 8-6-7D
- ALTERNATE MINS CHANGED FROM STANDARD TO STANDARD - CAT D 900-2 3/4 - CIRCLING CAT D VISIBILITY EXCEEDS 2 SM STANDARD.
- LPV DA/VIS/HAT FOR ALL CATS CHANGED FROM 493/5000/269 TO 474/4000/250 - NEW CONTROLLING OBSTACLE.
- LNAV/VNAV DA/VIS/HAT FOR ALL CATS CHANGED FROM 871 - 2 1/4 - 647 TO 840 - 1 3/4 - 616 - NEW CONTROLLING OBSTACLE AS WELL AS IAW 8260.58A 3-3-5, LNAV/VNAV MINIMA BASED ON LNAV MINIMA.
- LNAV MDA/VIS/HAA FOR ALL CATS CHANGED FROM 800/5000/576 TO 840/5500/616 - NEW CONTROLLING OBSTACLE.
- CIRCLING CAT C CHANGED FROM 880 - 1 3/4 - 614 TO 980 - 2 - 714 - NEW CONTROLLING OBSTACLE.
- CIRCLING CAT D CHANGED FROM 900 - 2 - 634 TO 1100 - 2 3/4 - 834 - NEW CONTROLLING OBSTACLE.
- FAS DATA - FPAP LAT/LONG CHANGED FROM 425650.8645N/0712530.7860W TO 425650.8585N/0712530.7775W - TARGETS RECALCULATED FAS DATA VALUES
- FAS DATA - CRC REMAINDER CHANGED FROM C02CB288 TO 70255A42 - DUE TO MULTIPLE CHANGES IN FAS DATA
- CHANGES FROM P-NOTAM FOR AMDT 2C INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).

04/22/21: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/05/21.

1. TAA CHANGED SECTOR 1 FROM 328/30 TO 327/30 - TO PROPERLY ALIGN THE TAA WITHOUT A ONE DEGREE GAP.
2. ADDED "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA - PROCEDURE HAD UPDATED RADII FROM LAST UPDATE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAL**  **NBAA**  **OTHER:** ZBW, BOS APP CON, MHT ATCT, MHT AIRPORT MANAGER

**FLIGHT CHECKED BY**  
JORGE A MALCUN

*Digitally signed by*  
**ALLAN WILL**  
Apr 28, 2021

**OFFICE**  
FIOG **DATE**  
3/31/2021

**DEVELOPED BY**  
JOSEPH BLANCO *Digitally signed by*  
**JOSEPH A BLANCO**  
Apr 22, 2021

**OFFICE**  
AJV-A423 **DATE**  
01/28/2021

**APPROVED BY**  
MARLON ROBINSON

*Digitally signed by*  
**ALLAN WILL**  
Apr 28, 2021

**OFFICE**  
AJV-A420 **DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMHT
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	425545.0715N
LTP/FTP LONGITUDE	0712652.6085W
LTP/FTP ELLIPSOIDAL HEIGHT	+00400
FPAP LATITUDE	425650.8585N
FPAP LONGITUDE	0712530.7775W
THRESHOLD CROSSING HEIGHT (TCH)	00050.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0552
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	70255A42

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00675
FPAP ORTHOMETRIC HEIGHT	+00675

