

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
MHT	ILS OR LOC RWY 6	4	MANCHESTER	NH	266	I-MJE

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM GDM VOR/DME **TO** PROES/GDM 12.98 DME

<u>RNP</u>	<u>DISTANCE</u> 12.98	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	424148.00N/0715333.00W	2031	215	8	4B	1000					3100
TERRAIN	424148.00N/0715333.00W	1830 (1800)								AS1000	2800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM PROES/GDM 12.98 DME **TO** JAAZZ/GDM 25.45 DME

<u>RNP</u>	<u>DISTANCE</u> 12.47	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	424315.00N/0715024.00W	1569	215	8	4B	1000				AT231	2800
TERRAIN	424315.00N/0715024.00W	1368 (1400)								AS1000	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

TEETO

TO

JAAZZ/GDM 25.45 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	4.67										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	424627.00N/0713818.00W	1014	215	8	4B	1000				AT786	2800
TERRAIN	424627.00N/0713821.00W	813 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

JAAZZ/GDM 25.45 DME

TO

FITZY INT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	5.32										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	424821.00N/0713748.00W	893	215	8	4B	500				AT407	1800
TERRAIN	424703.00N/0713457.00W	518 (500)								AS1000	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS

FROM

FITZY INT

TO

RW06

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.80		DA				250				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (33-021510)	425531.81N/0712701.39W	273	20	3	1A		34:1				474

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

FITZY INT

TO

4.80 NM AFTER FITZY INT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	4.80		4.80 NM AFTER FITZY INT				636				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	425200.00N/0713242.00W	591	215	8	4B	250					860

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: ILS

FROM

DA

TO

KHRIS/CON 21.30 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 285			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (33-000099)	425705.17N/0711604.36W	985	50	20	2C	1000					2000
TERRAIN	425700.00N/0711751.00W	643 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LOC

FROM

4.80 NM AFTER FITZY INT

TO

KHRIS/CON 21.30 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
											610
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (33-000099)	425705.17N/0711604.36W	985	50	20	2C	1000					2000
TERRAIN	425700.00N/0711751.00W	643 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	425554.00N/0712454.00W	1.30	634	586	215	8	4B	300			900
CATEGORY B											
TREE	425554.00N/0712454.00W	1.81	634	586	215	8	4B	300			900
CATEGORY C											
TREE	425406.00N/0712230.00W	2.85	674	622	215	8	4B	300			940
CATEGORY D											
AAO	425824.00N/0712136.00W	3.72	814	775	215	8	4B	300			1080

CIRCLING REMARKS:

MSA

CENTER	RADIUS
CON VOR/DME	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	432300.00N/0715127.00W	324	15.8	3130	215	8	4B	1000			4200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100-FOOT TREES USED PER EASTERN FPT.

MANDATORY ALTITUDE TEETO PER ATC REQUEST TO MATCH PUBLISHED ALTITUDE ON ROZZE RNAV STAR.

NO ALTERNATE MA DEVELOPED FOR LACK OF VIABLE NAVAIDS AND LIMITED AVAILABLE AIRSPACE.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BOS APP CON, MHT TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	MHT	24	MHT		Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

24-HOUR TOWER HAS REDUNDANT ALTIMETER SOURCES. BACK-UP ALTIMETER SOURCE NOT REQUIRED.



PRIMARY NAVAID

I-MJE

MONITOR POINT

MHT ATCT

HRS OPERATION

24

CAT

1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW24 - HIRL, REIL, C/LINE, PAPI-4L	NPI-G	APPROACH, ROLL OUT
RW06 - REIL, HIRL (PCL), C/LINE, PAPI-4L	PIR-G	APPROACH, ROLL OUT
RW17 - MALSR, TDZ, C/LINE, HIRL, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35 - ALSF-2, TDZ, C/LINE, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT

GLIDESLOPE ANGLE

3.00

ELEV RWY THRESHOLD

221.3

TCH

50.3

ELEV GS ANTENNA

218.8

DISTANCE FROM RWY

943

VGSI ANGLE

3.00

TCH

50.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

X

FT FROM THRESHOLD

ON CENTERLINE

X

FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

442

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL FACILTY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 706 AAO 425151.00N/0713312.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.54
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.99
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	042.42
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	8.72
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	3.92
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	042.42
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)	425545.07N/0712652.61W
ARP COORDINATES	425558.10N/0712608.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 35 DISTANCE 0.96 NM
FAF COORDINATES	425212.34N/0713116.76W
FIX NAME COORDINATES	IF JAAZZ 424816.57N/0713608.72W, IAF GDM VOR/DME 423245.32N/0720329.48W

REMARKS

1000 AIRSPACE ALSO APPLIED IN GDM VOR/DME (IAF) TO JAAZZ (IF) TERMINAL ROUTE (TRUE COURSE 052.28, HIGH TERRAIN IN SEGMENT 1800, 8.00 NM WIDE)
IF JAAZZ: 424816.57N/0713608.72W, IAF GARDNER VOR/DME: 423245.32N/0720329.48W
THLD DISPLACED 442FT, ACTUAL COORDINATES: 425541.85N/0712656.62W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RALPH DUMAR	AJV-A422	01/07/2026	AERONAUTICAL INFORMATION SPECIALIST

