

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> 5B6	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> FALMOUTH	<u>STATE</u> MA		
<u>AIRPORT ELEVATION</u> 41	<u>TDZE</u> 41	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 16W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 016/30 CW 157/30	NOPT	016/20 CW 157/20		2100
2. 016/20 CW 157/20		BUTRE	IF/IAF	2000
3. 157/30 CW 247/30		OYPEZ		2000
4. 247/30 CW 016/30		BUTRE	IF/IAF	2000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OYPEZ	IAF	BUTRE	NOPT	TF	FB	1.00	157.32	5.00	2000
BUTRE	IF/IAF	OKOHO		TF	FB	1.00	067.37	5.33	1700
OKOHO	FAF	ETZIB/2.31 NM TO RW7		TF	FB	0.30	067.36	2.76	
ETZIB/2.31 NM TO RW7		RW7	MAP	TF	FO	0.30	067.36	2.31	
RW7	MAP	800 MSL		CA			067.36		800
800 MSL		BUTRE		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LNAV: RW7

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT BUTRE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
22
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SW BUTRE, RT, 067.37 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 067.36FAF: OKOHO

DIST FAF TO MAP: 5.08

DIST FAF TO THLD: 5.08

4. MIN ALT: BUTRE 2000, OKOHO 1700, ETZIB/2.31 NM TO RW7 820

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 7 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE CAPE COD COAST GUARD AIR STATION ALTIMETER SETTING. WHEN NOT RECEIVED, PROCEDURE NA.
CHART NOTE: PROCEDURE NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

FAS OBST: 230 AAO 413414N/0703444W.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☒

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	HAT/HAA
LNAV MDA	480	1	439	480	1	439		NA			NA				
CIRCLING	560	1	519	560	1	519		NA			NA				

CHANGES - REASONS



AIRPORT ID
5B6

PROCEDURE NAME
RNAV (GPS) RWY 7

ORIGINAL/AMENDMENT
ORIG

CITY
FALMOUTH

STATE
MA

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZBW, AMGR.

FLIGHT CHECKED BY

JORGE A MALCUN

Digitally signed by

JON DENTON

Jan 06, 2022

OFFICE

FPO

DATE

01/04/2022

DEVELOPED BY

VICTOR BOONE

Digitally signed by

VICTOR C BOONE

Nov 05, 2021

OFFICE

AJV-A432

DATE

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Jan 06, 2022

OFFICE

AJV-A430

DATE

TITLE

MANAGER

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
5B6	RNAV (GPS) RWY 7	ORIG	FALMOUTH	MA	41	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
016/30 CW 157/30

TO
016/20 CW 157/20

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (44-000031)	413549.00N/0711121.00W		1048	20	50	1D	1000					2100
TERRAIN	414327.00N/0710336.00W		360 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
016/20 CW 157/20

TO
BUTRE

<u>RNP</u>	<u>DISTANCE</u>	<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>
TOWER (25-025187)	413720.19N/0705507.48W	609	500	50	5D	1000				AT300	2000
TERRAIN	414136.00N/0710336.00W	305 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



STRAIGHT-IN AREA

FROM

247/30 CW 016/30

TO

BUTRE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (25-020128)	413630.40N/0703632.00W		580	20	3	1A	1000				AT400	2000
TERRAIN	412300.00N/0704215.00W		272 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM

157/30 CW 247/30

TO

OYPEZ

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (25-000576)	414639.00N/0705539.00W		872	250	50	4D	1000				AT100	2000
TERRAIN	415536.00N/0703527.00W		400 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

OYPEZ

TO

BUTRE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	412930.00N/0704430.00W		355	164	98	4E	1000				AT600	2000
TERRAIN	412927.00N/0704430.00W		154 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

BUTRE (IF/IAF)

TO

OKOHO

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.33											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	412930.00N/0704430.00W		355	164	98	4E	1000				AC98	1500
TERRAIN	412945.00N/0704424.00W		154 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

OKOHO

TO

ETZIB/2.31 NM TO RW7

<u>RNP</u>	<u>DISTANCE</u> 2.76	<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>
TOWER (25-000175)	413332.21N/0703543.58W		519	250	50	4D	250				AC50	820

COMPUTATIONS

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

FINAL: LNAV STEPDOWN

FROM

ETZIB/2.31 NM TO RW7

TO

RW7

<u>RNP</u>	<u>DISTANCE</u> 2.31	<u>PAT</u>	<u>MAP</u> RW7	<u>HAT</u> 439			<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	413413.94N/0703444.27W		230	50	20	2C	250					480

COMPUTATIONS

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



HOLD-IN-LIEU OF PT

FROM

BUTRE

TO

P-4

RNP	DISTANCE	PAT P-4	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	412127.00N/0704409.00W		489	164	98	4E	1000				AT500	2000
TERRAIN	412127.00N/0704409.00W		289 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW7

TO

BUTRE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 380					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2000
WINDMILL (25-020128)	413630.40N/0703632.00W		580	20	3	1A	1000					1600
TERRAIN	413624.00N/0703633.00W		190 (200)								AS1500	1700

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											
TOWER (25-052004)	413540.10N/0703358.80W	1.30	519	200	250	50	4D	300		RA0 AC50	560
CATEGORY B											
AAO	413559.29N/0703430.55W	1.81	519	260	50	20	2C	300		RA0	560

CIRCLING REMARKS:

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

80 FT VEGETATION USED PER FPT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZBW ARTCC

<u>WX SERVICE</u> AWOS-4	<u>LOCATION</u> KFMH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KFMH	<u>DISTANCE</u> 4.587	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
BACKUP ALTIMETER SOURCE NOT ESTABLISHED DUE TO REDUNDANT WEATHER SOURCES AT KFMH.

RASS PRESSURE PATTERNS THE SAME
K5B6 41, KFMH 130
RA=0

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW7 - LIRL (PCL)		BSC-G	
RW25 - LIRL (PCL)		BSC-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 25		
20:1			
135.77 TERRAIN+VEG (VATP1) 413518.00N/0703212.00W (91.51)		129.21 TERRAIN+VEG (VATP2) 413518.00N/0703209.00W (76.03)	
129.21 TERRAIN+VEG (VATP3) 413521.00N/0703209.00W (66.57)		109.53 TERRAIN+VEG (VATP4) 413518.00N/0703206.00W (47.44)	
112.81 TERRAIN+VEG (VATP5) 413521.00N/0703206.00W (41.25)		109.53 TERRAIN+VEG (VATP6) 413518.00N/0703203.00W (38.52)	
119.37 TERRAIN+VEG (VATP9) 413521.00N/0703200.00W (29.99)		109.53 TERRAIN+VEG (VATP7) 413521.00N/0703203.00W (29.06)	
119.37 TERRAIN+VEG (VATP12) 413521.00N/0703157.00W (21.08)		109.53 TERRAIN+VEG (VATP8) 413524.00N/0703203.00W (19.59)	
116.09 TERRAIN+VEG (VATP10) 413524.00N/0703200.00W (17.24)		139.06 TERRAIN+VEG (VATP17) 413527.00N/0703154.00W (12.92)	
119.37 TERRAIN+VEG (VATP13) 413524.00N/0703157.00W (11.61)		125.93 TERRAIN+VEG (VATP16) 413524.00N/0703154.00W (9.26)	
125.93 TERRAIN+VEG (VATP14) 413527.00N/0703157.00W (8.71)		116.09 TERRAIN+VEG (VATP11) 413527.00N/0703200.00W (7.78)	
142.34 TERRAIN+VEG (VATP21) 413527.00N/0703151.00W (7.29)		125.93 TERRAIN+VEG (VATP20) 413524.00N/0703151.00W (0.35)	
135.77 TERRAIN+VEG (VATP18) 413530.00N/0703154.00W (0.17)			
Final Type	LNAV		
20:1			
116.09 TERRAIN+VEG (VATP107) 413500.00N/0703242.00W (70.32)		106.25 TERRAIN+VEG (VATP108) 413457.00N/0703239.00W (59.92)	
119.37 TERRAIN+VEG (VATP105) 413457.00N/0703245.00W (55.22)		109.53 TERRAIN+VEG (VATP106) 413457.00N/0703242.00W (54.29)	
119.37 TERRAIN+VEG (VATP104) 413454.00N/0703245.00W (45.75)		116.09 TERRAIN+VEG (VATP103) 413457.00N/0703248.00W (43.03)	
119.37 TERRAIN+VEG (VATP102) 413454.00N/0703248.00W (36.84)		119.37 TERRAIN+VEG (VATP101) 413451.00N/0703248.00W (27.37)	
116.09 TERRAIN+VEG (VATP100) 413454.00N/0703251.00W (24.65)		119.37 TERRAIN+VEG (VATP99) 413451.00N/0703251.00W (18.46)	
116.09 TERRAIN+VEG (VATP97) 413454.00N/0703254.00W (15.74)		119.37 TERRAIN+VEG (VATP96) 413451.00N/0703254.00W (9.55)	
112.81 TERRAIN+VEG (VATP98) 413448.00N/0703251.00W (2.43)		109.53 TERRAIN+VEG (VATP93) 413454.00N/0703257.00W (0.26)	
Final Type	LNAV		
34:1			
112.81 TERRAIN+VEG (VATP92) 413451.00N/0703257.00W (27.32)		112.81 TERRAIN+VEG (VATP95) 413448.00N/0703254.00W (26.99)	
116.09 TERRAIN+VEG (VATP94) 413445.00N/0703254.00W (24.7)		106.25 TERRAIN+VEG (VATP91) 413448.00N/0703257.00W (15.19)	
106.25 TERRAIN+VEG (VATP90) 413445.00N/0703257.00W (9.62)		96.4 TERRAIN+VEG (VATP89) 413451.00N/0703300.00W (5.67)	
96.4 TERRAIN+VEG (VATP88) 413448.00N/0703300.00W (0.1			

QUALITY



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE.
TAA RIGHT BASE NOT DEVELOPED PER FPT.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<div>AIRPORT ID</div> <div>5B6</div>	<div>PROCEDURE NAME</div> <div>RNAV (GPS) RWY 7</div>	<div>AMDT NO.</div> <div>ORIG</div>	<div>CITY</div> <div>FALMOUTH</div>	<div>STATE</div> <div>MA</div>	<div>AIRPORT ELEVATION</div> <div>41</div>	<div>FACILITY</div> <div>RNAV</div>
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	3.08			
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20			
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	051.36			
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100			
DISTANCE FROM	THLD	TO 1500FT POINT	4.88			
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.02			
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	051.36			
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100			
THRESHOLD COORDINATES (IF STR-IN)	413500.99N/0703237.06W					
ARP COORDINATES	413508.10N/0703225.30W					
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 25 DISTANCE 0.19 NM					
FAF COORDINATES	413150.78N/0703754.18W					
FIX NAME COORDINATES						
REMARKS						

QUALITY
22
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 10 of 11

PART E: PREPARED BY

<u>NAME</u> VICTOR BOONE	<i>Digitally signed by</i> VICTOR C BOONE Nov 05, 2021	<u>OFFICE</u> AJV-A432	<u>DATE</u>	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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