

**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> KPYM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 1E	<u>CITY</u> PLYMOUTH	<u>STATE</u> MA		
<u>AIRPORT ELEVATION</u> 148	<u>TDZE</u> 145	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 1D	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 16W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 NOVEMBER 2023	<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
LFV VOR/DME		MAYTA		TF	FB	1.00	253.02	38.37	3000
MVY VOR/DME		MAYTA		TF	FB	1.00	354.75	17.41	3000
PVD VOR/DME	IAF	BUVKE		TF	FB	1.00	101.16	23.91	3000
MAYTA	IAF	BUVKE		TF	FB	1.00	325.54	8.50	3000
BUVKE	IF	AYEDE		TF	FB	1.00	055.44	6.70	1700
AYEDE	FAF	ZASID/1.50 NM TO RW06		TF	FB	0.30	055.51	3.26	
ZASID/1.50 NM TO RW06		RW06	MAP	TF	FO	0.30	055.51	1.50	
RW06	MAP	640 MSL		CA			055.51		640
640 MSL		FREDO		DF	FO	1.00			1900

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW06

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 640 THEN CLIMBING RIGHT TURN TO 1900 DIRECT FREDO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LPV DA	436	3/4	291	436	3/4	291	436	3/4	291		NA					
LNAV/VNAV DA	426	3/4	281	426	3/4	281	426	3/4	281		NA					
LNAV MDA	500	3/4	355	500	3/4	355	500	3/4	355		NA					
CIRCLING	620	1	472	640	1	492	760	1 3/4	612		NA					

CHANGES - REASONS

1. REMOVED NOTE '*LNAV ONLY' AND ASSOCIATED ASTERISKS FROM SDF ZASID/1.50 TO RW06 660 - NO LONGER REQUIRED BY CRITERIA.
2. UPDATED PBN REQUIREMENTS NOTE FROM 'RNP APCH' TO 'RNP APCH - GPS' - PER 8260.19I PARA. 8-6-8B(2).
3. CHANGED NOTE FROM 'CIRCLING RWY 15 NA AT NIGHT' TO 'CIRCLING RWY 15, 24 NA AT NIGHT' - 20:1 PENETRATIONS EXIST TO RWY 24.
4. CHANGED NOTE FROM 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)' TO 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 54C' - PER 8260.19I PARA. 8-6-9R.
5. CHANGED FAS OBST FROM '239 T-L TWR 415301N/0704437W' TO '241 TREE (25-075735) 415422N/0704441W' - UPDATED TARGETS BUILD IDENTIFIED NEW FINAL CONTROLLER IN THE STEPDOWN SEGMENT.
6. CHANGED FEEDERS LRV TO MAYTA AND MRY TO MAYTA RNP VALUES FROM 2.00 TO 1.00 IN TERMINAL ROUTES - PER 8260.58B TABLE 1-2-1.
7. ADDED NOTE 'NA WHEN LOCAL WEATHER NOT AVAILABLE' TO STANDARD ALTERNATE MINIMUMS - BACKUP ALTIMETER IN USE.
8. RAISED LPV DA/HAT FROM 345/200 TO 436/291 - NEW PENETRATING OBSTACLES IN FINAL AND MISSED SECTION 1.
9. RAISED MISSED APPROACH CLIMB-TO ALTITUDE FROM 600 TO 640 - RESULT OF INCREASE IN LPV DA/MDA.
10. CHANGED DIST TO THLD FROM 200 HAT: 0.50 TO 281 HAT: 0.76 - DUE TO INCREASE IN LPV DA/HAT TO 436/291 MAKING LNAV/VNAV DA/HAT 426/281 THE LOWEST PER 8260.19I PARA. 8-6-7E(3).
11. RAISED CIRCLING CAT C MDA/HAA FROM 740/592 TO 760/612 AND VISIBILITY FROM 1 1/2 TO 1 3/4 - SAME CONTROLLING OBSTACLE TOWER (25-000199) ELEVATION INCREASED FROM 422 TO 456.
12. FAS DATA: LTP COORDINATES CHANGED FROM 415415.2480N/0704411.4665W TO 415415.2480N/0704411.4655W - PULLED FROM AIRNAV.
13. FAS DATA: FPAP COORDINATES CHANGED FROM 415523.9720N/0704255.4640W TO 415523.9665N/0704255.4535W - TARGETS OUTPUT AFTER LTP COORDINATES CHANGE.
14. FAS DATA: LENGTH OFFSET CHANGED FROM 1424 TO 1336 - RESULT COMPUTED AFTER LTP/FPAP COORDINATES CHANGES.
15. FAS DATA: VERTICAL ALERT LIMIT (VAL) INCREASED FROM 35 TO 50 - RESULT OF LPV HAT INCREASE ABOVE 200 FEET.
16. FAS DATA: CRC REMAINDER CHANGED FROM 54A0D537 TO C8BDE333 - RESULT FROM CHANGES TO LTP AND FPAP COORDINATES, LENGTH OFFSET, AND VERTICAL ALERT LIMIT.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA **OTHER:** ZBW, BOS APP CON, APT MGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by

RAKE MCGRAW

Sep 28, 2023

OFFICE

FPO

DATE

09/22/2023

DEVELOPED BY

RALPH DUMAR

Digitally signed by

RALPH DUMAR

Aug 08, 2023

OFFICE

AJV-A422

DATE

06/20/2023

APPROVED BY

MARLON ROBINSON

Digitally signed by

RAKE MCGRAW

Sep 28, 2023

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	KPYM
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	415415.2480N
LTP/FTP LONGITUDE	0704411.4655W
LTP/FTP ELLIPSOIDAL HEIGHT	+00127
FPAP LATITUDE	415523.9665N
FPAP LONGITUDE	0704255.4535W
THRESHOLD CROSSING HEIGHT (TCH)	00050.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1336
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C8BDE333

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00412
FPAP ORTHOMETRIC HEIGHT	+00412

