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.

PROCEDURE NAME ORIGINAL/AMENDMENT CITY STATE AIRPORT ID RNAV (GPS) RWY 24 ORIG-D **PLYMOUTH** MA **KPYM AIRPORT ELEVATION TDZE SUPERSEDED ORIGINAL/AMENDMENT DATED MAG VAR EPOCH YEAR** 148 RNAV (GPS) RWY 24 ORIG-C 07/19/2018 1995 148 16W

FACILITY COORDINATES OF FACILITIES ACTUAL EFFECTIVE DATE REQUIRED EFFECTIVE DATE CANCEL/SUSPEND

RNAV 30 NOVEMBER 2023 ROUTINE

TERMINAL ROUTES

FROM	FIX TYPE	<u>TO</u>	FIX TYPE	LEG TYPE	FO/FB	RNP	<u>COURSE</u>	DISTANCE	ALTITUDE
INNDY		GAILS		TF	FB	1.00	095.22	31.79	3000
GAILS		WIREG		TF	FB	1.00	010.05	7.51	2000
WIREG	IAF	JEKDI	NOPT	TF	FB	1.00	325.77	7.50	2000
LFV VOR/DME	IAF	JEKDI	NOPT	TF	FB	1.00	294.59	23.11	2000
KYLES	IAF	JEKDI	NOPT	TF	FB	1.00	164.54	13.28	2000
JEKDI	IF/IAF	BURRK		TF	FB	1.00	235.68	7.50	2000
BURRK	FAF	SMITY/1.60 NM TO RW24		TF	FB	0.30	235.61	3.37	
SMITY/1.60 NM TO RW24		RW24	MAP	TF	FO	0.30	235.61	1.60	
RW24	MAP	640 MSL		CA			235.61		640
640 MSL		GAILS		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LNAV: RW24

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 640 THEN CLIMBING LEFT TURN TO 2000 DIRECT GAILS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEKPYMRNAV (GPS) RWY 24ORIG-DPLYMOUTHMA

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD NE JEKDI, RT, 235.68 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 235.61 **FAF:** BURRK **DIST FAF TO MAP:** 4.97 **DIST FAF TO THLD:** 4.97

4. MIN ALT: JEKDI 2000, BURRK 2000, SMITY/1.60 NM TO RW24 780

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 CLEAR 20:1: IS NOT CLEAR TCH:

8. MSA FROM: RW24 2200

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GAILS ON V141 SOUTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LFV VOR/DME AIRWAY RADIALS 228 CW 002. CHART NOTE: STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 15, 24 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 350.23 INBOUND.

CHART FAS OBST: 328 POLE (25-049444) 415621N/0704249W.

CHART CIRCLING ICON. BURRK TO RW24: 3.40/60.

MINIMUMS:

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

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

CATEGORY:	A		В			С			D			E			
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA												
LNAV MDA	580	1	432	580	1	432	580	1 1/4	432		NA				
CIRCLING	620	1	472	640	1	492	760	1 3/4	612		NA				

AIRPORT ID
KPYMPROCEDURE NAME
RNAV (GPS) RWY 24ORIGINAL/AMENDMENT
ORIG-DCITY
PLYMOUTHSTATE
PLYMOUTH

CHANGES - REASONS

COORDINATED WITH:

- 1. REMOVED LPV AND LNAV/VNAV FINALS THREE VGS PENETRATIONS (219 TREE 25-026438, 239 TREE 25-075639, 223 TREE 25-026466).
- 2. REDUCED INNDY-GAILS AND GAILS-WIREG RNP VALUE FROM 2.00 TO 1.00 IN TERMINAL ROUTES PER 8260.58B TABLE 1-2-1.
- 3. REMOVED NOTE "*LNAV ONLY' AND ASSOCIATED ASTERISK FROM SDF SMITY/1.60 NM TO RW24 780 AND VDP AT 0.96 NM TO RW24 NO LONGER REQUIRED BY CRITERIA.
- 4. UPDATED PBN REQUIREMENTS NOTE FROM 'RNP APCH' TO 'RNP APCH GPS' PER 8260.19I PARA. 8-6-8B(2).
- 5. CHANGED '20:1 IS CLEAR' TO '20:1 IS NOT CLEAR' 10 TREES FOUND TO PENETRATE 20:1 VISUAL SURFACE.
- 6. CHANGED NOTE FROM 'CIRCLING RWY 15 NA AT NIGHT' TO 'STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 15, 24 NA AT NIGHT' 20:1 PENETRATIONS EXIST TO RWY 24.
- 7. REMOVED NOTE 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)' LNAV/VNAV FINAL REMOVED DUE TO VGS PENETRATIONS.
- 8. CHANGED NOTE 'RWY 24 HELICOPTER VISIBILITY REDUCTION BÉLOW 3/4 SM NOT AUTHORIZED' TO 'RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED' 20:1 PENETRATIONS EXIST AND PER 8260.19I PARA. 8-6-11K(3).
- 9. REMOVED VDP AT 0.96 NM TO RW24 20:1 PENETRATIONS EXIST AND PER 8260.3E PARA. 2-6-5A(4).
- 10. ADDED NOTE 'NA WHEN LOCAL WEATHER NOT AVAILABLE' TO STANDARD ALTERNATE MINIMUMS BACKUP ALTIMETER IN USE.
- 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. ADDED 'BURRK TO RW24: 3.40/60' TO ADDITIONAL FLIGHT DATA REQUIRED FOR LNAV ONLY PROCEDURES PER 8260.19I PARA. 8-6-10O(1).

A4A ALPA X	AOPA X	APA HAI NBAA X	OTHER: ZBW, BOS AP	P CON, APT MGR		
FLIGHT CHECKED BY BOB S PRESSLER			Digitally signed by RAKE MCGRAW Sep 28, 2023	OFFICE FPO	DATE 09/22/2023	
<u>DEVELOPED BY</u> RALPH DUMAR		Digitally signed by RALPH DUMAR		<u>OFFICE</u> AJV-A422	<u>DATE</u> 06/21/2023	
APPROVED BY		Aug 08, 2023	Digitally signed by RAKE MCGRAW	OFFICE	DATE	TITLE MANAGER

Sep 28, 2023