FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE ILS STANDARD INSTRUMENT APPROACH PROCEDURE

TITLE 14 CFR PART 97.29

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.

ORIGINAL/AMENDMENT CITY STATE PROCEDURE NAME **AIRPORT ID** ILS OR LOC RWY 6 **PLYMOUTH** 1H MA **KPYM** AIRPORT ELEVATION **TDZE SUPERSEDED ORIGINAL/AMENDMENT DATED MAG VAR EPOCH YEAR** 148 145 ILS OR LOC RWY 6 1G 10/08/2020 16W 1995

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

1-PYM 30 NOVEMBER 2023 ROUTINE

TERMINAL ROUTES

<u> </u>									
FROM	FIX TYPE	FIX TYPE TO		LEG TYPE	TYPE FO/FB RNP		<u>COURSE</u>	DISTANCE	ALTITUDE
PVD VOR/DME	IAF	BUVKE/I-PYM 12.37 DME		TF	FB	1.00	101.16	23.91	3000
BUVKE/I-PYM 12.37 DME	IF	AYEDE/I-PYM 5.67 DME					055.56	6.70 (I-PYM)	1700

MISSED APPROACH

MAP:

ILS: DA

LOC: I-PYM 0.91 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 640 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 100 AND ON BOS VOR/DME R-162 TO FREDO INT/BOS 32.63 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 640 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 100 AND ON ACK VOR/DME R-341 TO FREDO INT/ACK 45.00 DME AND HOLD.

PROFILE:

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

2. PROFILE STARTS AT BUVKE

4. MIN ALT: BUVKE/I-PYM 12.37 DME 3000, AYEDE/I-PYM 5.67 DME 1700, ZASID/I-PYM 2.41 DME 660

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 944

6. MIN GS INCPT: 1700 GS ALT AT PFAF: AYEDE/I-PYM 5.67 DME 1700 OM: MM: IM:

7. GS ANGLE: 3.00 **34:1**: **20:1**: **TCH**: 50.1

8. MSA FROM: BOS VOR/DME 215-305 3100, 305-215 2200 (30NM)

AIRPORT IDPROCEDURE NAMEORIGINAL/AMENDMENTCITYSTATEKPYMILS OR LOC RWY 61HPLYMOUTHMA

PBN REQUIREMENTS NOTE:

RNP APCH - GPS. FROM PVD VOR/DME.

EQUIPMENT REQUIREMENTS NOTE:

DME REQUIRED FOR LOC ONLY.

AIRCRAFT NOT GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART NOTE: CIRCLING RWY 15, 24 NA AT NIGHT.

CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PVD VOR/DME AIRWAY RADIALS 093 CW 165.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 6 VISIBILITY ALL CATS TO 7/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 342.00 INBOUND.

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S FREDO INT/ACK 45.00 DME, RT, 341.42 INBOUND.

CHART FAS OBST: 228 TREE (25-075367) 415352N/0704441W.

CHART R-4101.

CHART VDP AT 1.86 DME.

DISTANCE VDP TO THLD 0.95 NM.

CHART IN PLANVIEW: FREDO INT/ACK 45.00 DME.

CHART CIRCLING ICON.

MINIMUMS:

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

<u>ALTERNATE:</u> NA		ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.
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CATEGORY:	A		В			С			D			E			
FINAL TYPE	DA/MDA	<u>VIS</u>	HAT/HAA	<u>DA/MDA</u>	<u>VIS</u>	HAT/HAA	<u>DA/MDA</u>	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA	DA/MDA	<u>VIS</u>	HAT/HAA
S-ILS 06	436	3/4	291	436	3/4	291	436	3/4	291		NA				
S-LOC 06	480	3/4	335	480	3/4	335	480	3/4	335		NA				
CIRCLING	620	1	472	640	1	492	760	1 3/4	612		NA				

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CHANGES - REASONS

COORDINATED WITH:

- 1. CONVERTED INITIAL SEGMENT PVD VOR/DME-BUVKE FROM CONVENTIONAL TO RNAV TRANSITION PER AIRNAV: VOR AND DME UNUSABLE R-085 TO R-105 BYD 12 NM BELOW 5500 AND BEYOND 8 NM BELOW 3000.
- 2. CHANGED INITIAL SEGMENT FROM COURSE 99.16 TO TRACK 101.16 RNAV TRANSITION REQUIRES USING AIRPORT MAG VAR VS. PVD VOR/DME MAG VAR.
- 3. CONVERTED INITIAL SEGMENT FROM CF LEG TO TF LEG AND ADDED RNP 1.00 AND FLY BY (FB) PER 8260.19I PARA. 8-6-4A(6).
- 4. CHANGED INTERMEDIATE AND FINAL COURSE FROM 055.55 TO 055.56 PER I-PYM AIRNAV DATA.
- 5. ADDED PBN REQUIREMENTS NOTE 'RNP APCH-GPS. FROM PVD VOR/DME' DUE TO CONVERTING INITIAL SEGMENT TO RNAV TRANSITION AND PER 8260.19I IMPLEMENTATION MEMO: PBN REQUIREMENT NOTES FOR PBN TO ILS TABLE.
- 6. REMOVED NOTE '*LOC ONLY' AND ASSOCIATED ASTERISKS FROM SDF ZASID/I-PYM 2.41 DME 660 AND FROM VDP NO LONGER REQUIRED BY CRITERIA.
- 7. CHANGED NOTE FROM 'CIRCLING RWY 15 NA AT NIGHT' TO 'CIRCLING RWY 15, 24 NA AT NIGHT' 20:1 PENETRATIONS EXIST TO RWY 24.
- 8. REMOVED NOTE 'AUTOPILOT COUPLED APPROACH NA BELOW 1050 MSL' PER FLIGHT INSPECTION RESULTS STATING THAT NOTE NO LONGER VALID.
- 9. CHANGED PLANVIEW NOTE 'PROCEDURE NA FOR ARRIVAL ON PVD VOR/DME AIRWAY RADIALS 093 CW 132' TO 'PROCEDURE NA FOR ARRIVAL ON PVD VOR/DME AIRWAY RADIALS 093 CW 165'
 TURN ON TO PVD-BUVKE RNAV TRANSITION FROM PVD R-165 EXCEEDS 90 DEGREES.
- 10. CHANGED FAS OBST FROM '219 TREE 415341N/0704510W' TO '228 TREE (25-075367) 415352N/0704441W' UPDATED TARGETS BUILD IDENTIFIED NEW FINAL CONTROLLER IN THE STEPDOWN SEGMENT.
- 11. CHANGED VDP DME DISTANCE FROM 1.88 TO 1.86 AND DISTANCE TO THLD FROM 0.97 TO 0.95 WITH NO CHANGE TO CHART NEW TARGETS BUILD.
- 12. RAISED S-ILS 06 DA/HAT FROM 345/200 TO 436/291 NEW PENETRATING OBSTACLES IN FINAL AND MISSED SECTION 1.
- 13. RAISED PRIMARY AND ALTERNATE MISSED APPROACH CLIMB-TO ALTITUDE FROM 600 TO 640 RESULT OF INCREASE IN ILS DA/MDA.
- 13. 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.
- 14. REMOVED INT FROM IF BUVKE DUE TO NAVAID RESTRICTION FROM PVD VOR/DME: R-099 UNUSEABLE BEYOND 8 NM BELOW 3000 AND CONVERSION OF INITIAL SEGMENT TO RNAV.
 15. ADDED EQUIPMENT REQUIREMENTS NOTE 'AIRCRAFT NOT GPS EQUIPPED: RADAR REQUIRED FOR PROCEDURE ENTRY' INITIAL SEGMENT COVERTED TO RNAV AND IS THE ONLY ENTRY ROUTE, AND PER 8260.19I IMPLEMENTATION MEMO: PBN REQUIREMENT NOTES FOR PBN TO ILS TABLE.
- 16. CHANGED NOTE FROM 'INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 6' TO 'FOR INOPERATIVE ALS, INCREASE S-ILS 6 VISIBILITY ALL CATS TO 7/8 SM' RAISED ILS DA/HAT.

A4A ☐ ALPA 🔀 AOPA X APA 🗍 HAI \square NBAA X OTHER: ZBW, BOS APP CON, APT MGR Digitally signed by **FLIGHT CHECKED BY** OFFICE DATE RAKE MCGRAW **BOB S PRESSLER FPO** 09/22/2023 Sep 28, 2023 Digitally signed by **DEVELOPED BY** RALPH DUMAR **OFFICE** DATE RALPH DUMAR AJV-A422 06/23/2023 Aug 07, 2023 Digitally signed by APPROVED BY **OFFICE** DATE TITLE RAKE MCGRAW MARI ON ROBINSON AJV-A420 **MANAGER**

Sep 28, 2023