

**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.

<u>AIRPORT ID</u> KPSM	<u>PROCEDURE NAME</u> ILS OR LOC RWY 34	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> PORTSMOUTH	<u>STATE</u> NH		
<u>AIRPORT ELEVATION</u> 100	<u>TDZE</u> 84	<u>SUPERSEDED</u> ILS OR LOC RWY 34	<u>ORIGINAL/AMENDMENT</u> 3A	<u>DATED</u> 02/25/2021	<u>MAG VAR</u> 16W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> I-PSM	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
CON VOR/DME		IDEED INT/PSM DME 12.27 DME/RADAR					130.12	43.29 (CON R-130)	3000
ENE VOR/DME		IDEED INT/PSM DME 12.27 DME/RADAR					202.93	31.10 (ENE R-203)	3000
IDEED INT/PSM DME 12.27 DME/RADAR	IF/IAF	YOKNZ/PSM DME 6.34 DME/RADAR					345.08	5.94 (I-PSM)	1700

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.87 NM AFTER YOKNZ/PSM DME 6.34 DME/RADAR OR AT PSM DME 1.47 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING LEFT TURN ON HEADING 290 TO 3000 AND ENE VOR/DME R-242 TO RAYMY INT/CON VOR/DME 22.51 DME/RADAR AND HOLD

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD S IDEED, RT, 345.08 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 4600.
3. FAC: 345.08 FAF: YOKNZ/PSM DME 6.34 DME/RADAR DIST FAF TO MAP: 4.87 DIST FAF TO THLD: 4.87
4. MIN ALT: IDEED INT/PSM DME 12.27 DME/RADAR 3000, YOKNZ/PSM DME 6.34 DME/RADAR 1700
5. DIST TO THLD FROM PFAF: 4.87 MM: IM: 150 HAT: GS ANT: 1231
6. MIN GS INCPT: 1700 GS ALT AT FAF: YOKNZ/PSM DME 6.34 DME/RADAR 1700 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: 20:1: TCH: 63.9
8. MSA FROM: ARP KPSM 2900



EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA EAST OF RWY 16-34.

CHART NOTE: DME FROM PSM DME. SIMULTANEOUS RECEPTION OF I-PSM AND PSM DME REQUIRED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CON VOR/DME AIRWAY RADIALS 061 CW 172.

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

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 34 CAT E VISIBILITY TO RVR 4000; INCREASE S-LOC 34 CAT E VISIBILITY TO 1 3/8 SM

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ENE VOR/DME AIRWAY RADIALS 178 CW 271

CHART PLANVIEW NOTE: USE OF CON R-130 AND ENE R-203 MAY BE NECESSARY TO LOCATE IDEED INTERSECTION.

ADDITIONAL FLIGHT DATA:

CHART CON VOR/DME 43.29 DME AND ENE VOR/DME 31.10 DME AT IDEED.

HOLD SE, RT, 310.00 INBOUND.

FAS OBST: 280 AAO 430039N/0704618W.

CHART VDP AT 2.64 DME

DISTANCE VDP TO THLD 1.18 NM.

CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 800-2 1/4, CAT E 800-2 1/2

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 34	284	2400	200	284	2400	200	284	2400	200	284	2400	200	284	2400	200
S-LOC 34	540	2400	456	540	2400	456	540	4500	456	540	4500	456	540	4500	456
CIRCLING	540	1	440	560	1	460	680	1 1/2	580	780	2 1/4	680	800	2 1/2	700



CHANGES - REASONS

1. THIS AMENDMENT INCORPORATES FDC NOTAMS 0/7128 AND 0/7128 ONTO FORMS AND CANCELS FDC NOTAM 1/2205
2. DELETED TERMINAL ROUTE FEEDER SEGMENT "PSM VOR/DME TO IDEED/PSM VOR/DME 12.27 DME/RADAR" - PROCEDURE REDESIGN AND PSM VOR/DME VOR MON CANCELLATION PROJECT.
3. ADDED TERMINAL ROUTE FEEDER SEGMENT "CON VOR/DME IDEED/PSM DME 12.27 DME/RADAR 130.12 43.29 (CON R-130) AT 3000" - 8260.19I 8-6-4 B(2) AND PSM VOR/MON CANCELLATION PROJECT.
4. ADDED TERMINAL ROUTE FEEDER SEGMENT "ENE VOR/DME TO IDEED/PSM DME 12.27 DME/RADAR 202.93 31.10 (ENE R-203) AT 3000" - 8260.19I 8-6-4 B(2) AND PSM VOR/MON CANCELLATION PROJECT.
5. AMENDED TERMINAL ROUTE INTERMEDIATE SEGMENT FROM "IDEED/PSM VOR/DME 12.27 DME/RADAR IF/IAF TO YOKNZ/PSM VOR/DME 6.27 DME/RADAR 345.08 6.00 (I-PSM) 1700" TO "IDEED/PSM DME 12.27 DME/RADAR IF/IAF TO YOKNZ/PSM 6.34 DME/RADAR 345.08 5.94 (I-PSM) AT 1700" - 8260.19I 8-6-4 B(2) AND PSM VOR/MON CANCELLATION PROJECT.
6. AMEND LOC MAP FROM "LOC: 4.80 NM AFTER YOKNZ/PSM VOR/DME 6.27 DME/RADAR OR AT PSM VOR/DME 1.47 DME" TO "LOC: 4.87 NM AFTER YOKNZ/PSM DME 6.34 DME/RADAR OR AT PSM DME 1.47 DME" - 8260.19I 8-6-6 C(1) AND PSM VOR/MON CANCELLATION PROJECT.
7. AMENDED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3000 ON PSM VOR/DME R-346 TO ITAWA INT/PSM VOR/DME 11.98 DME AND HOLD" TO "CLIMB TO 1500 THEN CLIMBING LEFT TURN ON HEADING 290 TO 3000 AND ENE VOR/DME R-242 TO RAYMY INT/CON VOR/DME 22.51 DME/RADAR AND HOLD" - PROCEDURE REDESIGN CHANGING THE PRIMARY MISSED APPROACH POINT AND PSM VOR/MON CANCELLATION PROJECT.
8. DELETED ALTERNATE MISSED APPROACH INSTRUCTIONS - 8260.19I 8-6-6 H(1) AND ATC REQUEST.
9. AMENDED PROFILE LINE 3 FROM "FAF: YOKNZ/PSM VOR/DME 6.27 DME/RADAR" TO "FAF: YOKNZ/PSM DME 6.34 DME/RADAR" - PSM VOR MON CANCELLATION PROJECT.
10. AMENDED PROFILE LINE 3 FROM "DIST FAF TO MAP: 4.80" AND "DIST FAF TO THLD: 4.80" TO "DIST FAF TO MAP: 4.87" AND "DIST FAF TO THLD: 4.87" - PROCEDURAL REDESIGN AND PSM VOR MON CANCELLATION PROJECT.
11. AMENDED PROFILE LINE 4 FROM "MIN ALT: IDEED/PSM VOR/DME 12.27 DME/RADAR 3000, YOKNZ/PSM VOR/DME 6.27 DME/RADAR 1700" TO "MIN ALT: IDEED/PSM DME 12.27 DME/RADAR 3000, YOKNZ/PSM DME 6.34 DME/RADAR 1700" - 8260.19I 8-6-7 D(3) AND (5) AND PSM VOR/MON CANCELLATION PROJECT.
12. ADDED TO PROFILE LINE 5 "DIST TO THLD FROM FAF: 4.87" - 8260.19I 8-6-7 E.
13. AMENDED PROFILE LINE 6 FROM "GS ALT AT FAF: YOKNZ/PSM VOR/DME 6.27 DME/RADAR 1700" TO "GS ALT AT FAF: YOKNZ/PSM DME 6.34 DME/RADAR 1700" - 8260.19I 8-6-7 F(4) AND PSM VOR/MON CANCELLATION PROJECT.
14. AMENDED PROFILE LINE 8 FROM "MSA FROM: PSM VOR/DME 090-180 1600, 180-090 2900" TO "MSA FROM: ARP KPSM 2900" - 8260.19I 8-6-7 H(1) AND (2) AND PSM VOR/DME VOR MON CANCELLATION PROJECT.
15. DELETED NOTE "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PSM VOR/DME ON V3 NORTHBOUND" - PROCEDURE REDESIGN AND PSM VOR/DME VOR MON CANCELLATION PROJECT.
16. ADDED "CHART NOTE: DME FROM PSM DME. SIMULTANEOUS RECEPTION OF I-PSM AND PSM DME REQUIRED" - 8260.19I 8-6-9 K.
17. ADDED NOTE "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CON VOR/DME AIRWAY RADIALS 061 CW 172" AND "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ENE VOR/DME AIRWAY RADIALS 178 CW 271" - 8260.19I 8-2-5 E(2).
18. AMENDED NOTE FROM "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 34 CAT E VISIBILITY TO RVR 4000 AND S-LOC 34 CAT E VISIBILITY TO RVR 6000" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 34 CAT E VISIBILITY TO RVR 4000; INCREASE S-LOC 34 CAT E VISIBILITY TO 1 3/8 SM" - 8260.19I 8-6-11 O(3)(D).
19. DELETED FROM ADDITIONAL FLIGHT DATA "CHART: ASR" - 8260.19I 1-1-15 F(16).
20. DELETED FROM ADDITIONAL FLIGHT DATA "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE, RAYMY INT/MHT VOR/DME 16.16 DME RT, 239.56 INBOUND" - 8260.19I 8-6-10 B(2) AND DELETED ALTERNATE MISSED APPROACH INSTRUCTIONS.
21. DELETED FROM ADDITIONAL FLIGHT DATA FROM "CHART IN PLANVIEW: RAYMY INT/PSM VOR/DME 16.16 DME" - NO LONGER NEEDED.
22. AMENDED ADDITIONAL FLIGHT DATA FROM "CHART FAS OBST: 182 CHURCH BLDG 430040N/0704623W" TO "FAS OBST: 280 AAO 430038.64N/0704617.67W" - 8260.19I 8-6-10 C AND NEW LOC FINAL CONTROLLING OBSTACLE IDENTIFIED.
23. ADDED TO ADDITIONAL FLIGHT DATA "CHART VDP AT 2.64 DME" AND "DISTANCE VDP TO THLD 1.18 NM" - 8260.19I 8-6-10 M(1) FROM MEMO DATED 12/21/2020, ATTACHMENT 3.
24. AMENDED ALTERNATE MINIMUMS FROM "ILS: STANDARD - CAT E 700-2 ½, NA WHEN PSM RAPCON CLOSED; LOC: STANDARD - CAT E 800-2 ½, NA WHEN PSM RAPCON CLOSED" TO "ILS: STANDARD. NA WHEN LOCAL WEATHER NOT AVAILABLE; LOC: STANDARD - CAT D 800-2 ½, CAT E 800-2 ¾. NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.3D 3-4-1 D AND 8260.19I 8-6-11 B(4).
25. AMENDED S-LOC 34 CAT A AND B MDA/HAT FROM "440/356" TO "540/456", CAT C MDA/VIS/HAT FROM "440/2400/356" TO "540/4500/456", AND CAT D/E MDA/VIS/HAT FROM "440/4000/356" TO "540/4500/456" - NEW FINAL CONTROLLING OBSTACLE IDENTIFIED AND 8260.3D TABLE 3-3-1 (CAT C/D/E).
26. AMENDED CIRCLING CAT A MDA/HAA FROM "480/380" TO "540/440", CAT C MDA/HAA FROM "560/460" TO "680/580", AND CAT D MDA/VIS/HAA FROM "680/2/580" TO "780/2 1/4/680" - NEW CONTROLLING OBSTACLES IDENTIFIED IN INCREASED CIRCLING RADII AREA.

8/3/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 1/19/21.

1. TERMINAL ROUTES: CHANGED ALL REFERENCES OF IDEED TO IDEED INT - FAAO 8260.19I, PARA 8-2-6C.
2. LINE 4 MIN ALT: CHANGED IDEED TO IDEED INT - FAAO 8260.19I, PARA 8-2-6C.
3. NOTES: CHART PLANVIEW NOTE: USE OF CON R-130 AND ENE R-203 MAY BE NECESSARY TO LOCATE IDEED INTERSECTION - FAAO 8260.19I, PARA 8-6-9.
4. ADDITIONAL FLIGHT DATA: CHART CON VOR/DME 43.29 DME AND ENE VOR/DME 31.10 DME AT IDEED - FAAO 8260.19I, PARA 8-6-10.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, BOS APP CON, PSM ATCT, AMGR

FLIGHT CHECKED BY

BOB S PRESSLER

Digitally signed by
CASIMIR L TABAKA
Sep 29, 2021

OFFICE

FPO

DATE

09/23/2021

DEVELOPED BY

JAMES ROGERS

Digitally signed by
JAMES ROGERS
Aug 04, 2021

OFFICE

AJV-A412

DATE

01/19/2021

APPROVED BY

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MARK D ADAMS
Aug 05, 2021

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DATE

TITLE
MANAGER

