

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> ASH	<u>PROCEDURE NAME</u> ILS OR LOC RWY 14	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> NASHUA	<u>STATE</u> NH
<u>AIRPORT ELEVATION</u> 200	<u>TDZE</u> 200	<u>SUPERSEDED</u> ILS OR LOC RWY 14	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 04/20/2023
<u>FACILITY</u> I-ASH	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 16W
				<u>EPOCH YEAR</u> 1995
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MUGGY INT	IF/IAF	LODTI INT					138.69	4.29 (I-ASH)	2500
LODTI INT		NORIY INT					138.69	3.58 (I-ASH)	1600

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.25 NM AFTER NORIY INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 ON GDM VOR/DME R-082 TO PELAN INT/GDM R-082/34.61 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | |
|-------------------------------------------------------------------------------|----------------|----------|-----------------------|------------------------|-------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NW MUGGY, LT, 138.69 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 4600. | | | | | |
| 3. FAC: 138.69 | FAF: NORIY INT | | DIST FAF TO MAP: 4.25 | DIST FAF TO THLD: 4.25 | |
| 4. MIN ALT: MUGGY INT 3800, LODTI INT 2500, NORIY INT 1600 | | | | | |
| 5. DIST TO THLD FROM OM: MM: IM: | | | 150 HAT: | GS ANT: 962 | |
| 6. MIN GS INCPT: 1600 GS ALT AT PFAF: NORIY INT 1600 | | | | OM: MM: IM: | |
| 7. GS ANGLE: 3.00 34:1: 20:1: | | | TCH: 47.0 | | |
| 8. MSA FROM: GDM VOR/DME 060-330 3300, 330-060 4400 (30NM) | | | | | |



EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT MUGGY ON T316 EASTBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC CAT C/D VISIBILITY TO 1 3/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 262.45 INBOUND.
FAS OBST: 552 AAO 424915N/0713703W.
712 AAO 425054N/0713745W.
CHART CIRCLING ICON.

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE, NA WHEN CONTROL TOWER CLOSED; LOC: STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE, NA WHEN CONTROL TOWER CLOSED.

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
S-ILS 14	400	1/2	200	400	1/2	200	400	1/2	200	400	1/2	200			
S-LOC 14	820	1/2	620	820	1/2	620	820	1 3/8	620	820	1 3/8	620			
CIRCLING	840	1	640	860	1	660	920	2	720	980	2 1/2	780			

CHANGES - REASONS

1. INCORPORATED CHANGE FROM P-NOTAM FOR AMDT 2A INTO FORM - IAW 8260.19I PARA 8-3-4.C (3).
2. TERMINAL ROUTES: CHANGED MUGGY TO LODTI DISTANCE FROM 4.67 TO 4.29 AND LODTI TO NORIY DISTANCE FROM 3.20 TO 3.58 – LODTI POSITION MOVED TO MEET SATISFACTORY INTERSECTION CRITERIA.
3. MISSED APPROACH INSTRUCTIONS: CHANGED FROM “CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 310 AND GDM R-071 TO JOHNS INT/GDM 19.75 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000” TO “CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 ON GDM VOR/DME R-082 TO PELAN INT/GDM R-082/34.6 DME AND HOLD” – HOLDING CHANGED FROM JOHNS TO PELAN PER ATC REQUEST, PREVIOUS PATTERN WAS OVERFLYING NAVAID.
4. PROFILE: LINE 4 REMOVED “CIBES INT 740” – CIBES REMOVED FROM PROCEDURE DUE TO NO SUITABLE NAVAIDS FOR FIX MAKE UP AS MHT REMOVED DUE TO VOR MON.
5. PROFILE: LINE 8. MSA FROM: CHANGED FROM “MHT VOR/DME 046-136 2600, 136-226 2000, 226-046 3500” TO “GDM VOR/DME 060-330 3300, 330-060 4400 (30NM)” – MHT REMOVED DUE TO VOR MON.
6. EQUIPMENT REQUIREMENTS NOTES: ADDED NOTE “RADAR REQUIRED FOR PROCEDURE ENTRY.” – RADAR REQUIRED; PROCEDURE NOT TIED TO GROUND-BASED ENROUTE STRUCTURE.
7. NOTES: UPDATED CHART NOTE FROM “FOR INOP ALS, INCREASE CIBES FIX MINIMUMS S-LOC 14 C/D VISIBILITY TO 1 SM” TO “FOR INOPERATIVE ALS, INCREASE S-LOC CAT C/D VISIBILITY TO 1 3/4 SM.” – CIBES STEPDOWN REMOVED DUE TO NO FIX MAKE UP NAVAIDS (MHT REMOVED), AND UPDATED TARGETS EVALUATION.
8. ADDITIONAL FLIGHT DATA: DELETED PROFILE NOTE “*LOC ONLY” AND ASTERISK AT PROFILE LINE 4 – CIBES DELETED AND NO LONGER NEEDED IAW 8260.19I, 1-1-5.F (12).
9. ADDITIONAL FLIGHT DATA: CHANGED “HOLD W, RT, 071.34 INBOUND” TO HOLD E, RT, 262.45 INBOUND” – HOLDING CHANGED FROM JOHNS TO PELAN, PREVIOUS PATTERN WAS OVERFLYING NAVAID.
10. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: 317 TOWER (33-000172) 424803N/0713313W” TO “FAS OBST 552 AAO 424915N/0713703W” – NEW CONTROLLING OBSTACLE/TARGETS EVALUATION.
11. ADDITIONAL FLIGHT DATA: ADDED “552 AAO 424915N/0713703W.” – NEW TARGETS EVALUATION.
12. MINIMUMS: UPDATED S-LOC 14 MINIMUMS MDA/HAT ALL CATS FROM 740/540 TO 820/620 AND CATS C/D VIS FROM 1 NM TO 1 3/8 NM – NEW TARGETS EVALUATION/CONTROLLING OBSTACLES AND 8260.3E. TABLE 3-3-1.
13. CIRCLING MINIMUMS: INCREASED MDA/HAA CAT A FROM 820/620 TO 840/640, INCREASED CAT B FROM 840/640 TO 860/660, INCREASED CAT C FROM 900/700 TO 920/720, AND REDUCED CAT D FROM 1000/800 TO 980/780 – NEW CONTROLLING OBSTACLES BASED ON NEW TARGETS EVALUATION.
14. MINIMUMS: REMOVED CIBES FIX MINIMUMS FOR S-LOC 14 AND CIRCLING – CIBES STEPDOWN REMOVED DUE TO NO FIX MAKE UP NAVAIDS/MHT REMOVED.



COORDINATED WITH:

A4A

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ALPA

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AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZBW, BOS APP CON, ASH ATCT, AMGR

FLIGHT CHECKED BY

DAVIN C O'BRIEN

Digitally signed by

CASIMIR L TABAKA

Jun 17, 2024

OFFICE

FPO

DATE

06/05/2024

DEVELOPED BY

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

Digitally signed by

CASIMIR L TABAKA

Dec 13, 2023

OFFICE

AJV-A432

DATE

09/08/2023

APPROVED BY

CASIMIR L. TABAKA

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CASIMIR L TABAKA

Dec 13, 2023

OFFICE

AJV-A432

DATE

TITLE

MANAGER