

**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> BOS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 4R ILS RWY 4R (SA CAT I) ILS RWY 4R (CAT II) ILS RWY 4R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 11B	<u>CITY</u> BOSTON	<u>STATE</u> MA		
<u>AIRPORT ELEVATION</u> 19	<u>TDZE</u> 18	<u>SUPERSEDED</u> ILS OR LOC RWY 4R ILS RWY 4R (SA CAT I) ILS RWY 4R (CAT II) ILS RWY 4R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 11A	<u>DATED</u> 04/20/2023	<u>MAG VAR</u> 15W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-BOS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
GOSHI	IAF	WINNI/I-BOS 16.90 DME/RADAR		TF	FB	1.00	035.59	5.14	4000
WINNI/I-BOS 16.90 DME/RADAR	IF	NABBO/I-BOS 11.93 DME/RADAR					034.74	4.97 (I-BOS)	3000
NABBO/I-BOS 11.93 DME/RADAR		MILTT/I-BOS 6.93 DME/RADAR					034.74	5.00 (I-BOS)	1700

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.12 NM AFTER MILTT/I-BOS 6.93 DME/RADAR OR AT I-BOS 1.81 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 ON BOS VOR/DME R-030 TO WAXEN/BOS 14.04 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- PROFILE STARTS AT GOSHI
- FAC:** 034.74 **FAF:** MILTT/I-BOS 6.93 DME/RADAR **DIST FAF TO MAP:** 5.12 **DIST FAF TO THLD:** 5.12
- MIN ALT:** GOSHI 6000, WINNI/I-BOS 16.90 DME/RADAR 4000, NABBO/I-BOS 11.93 DME/RADAR 3000, MILTT/I-BOS 6.93 DME/RADAR 1700, IRSEW/I-BOS 3.81 DME/RADAR 700
- DIST TO THLD FROM OM:** **MM:** **IM:** **100 HAT:** 940.00 **150 HAT:** 1893.00 **GS ANT:** 1016
- MIN GS INCPT:** 1700 **GS ALT AT PFAF:** MILTT/I-BOS 6.93 DME/RADAR 1700 **OM:** **MM:** **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 51.2
- MSA FROM:** BOS VOR/DME 215-305 2500, 305-215 2000

QUALITY  
20  
CHECKED

**AIRPORT ID**  
BOS

**PROCEDURE NAME**  
ILS OR LOC RWY 4R  
ILS RWY 4R (SA CAT I)  
ILS RWY 4R (CAT II)  
ILS RWY 4R (CAT III)

**ORIGINAL/AMENDMENT**  
11B

**CITY**  
BOSTON

**STATE**  
MA

**PBN REQUIREMENTS NOTE:**

RNP APCH-GPS. FROM GOSHI.

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 4R: CAT A, B, C, D, RA 168, RVR 1400, HAT 150, DA 168 MSL  
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 4R: CAT A, B, C, D, RA 99, RVR 1200, HAT 100, DA 118 MSL  
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 4R: CAT A, B, C, D, RVR 600  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.  
CAT II, CAT III, AND SA CAT I CHART NOTE: WHEN CONTROL TOWER REPORTS TALL VESSELS IN APPROACH AREA, PROCEDURE NA.  
CHART NOTE: \*FOR INOPERATIVE ALS INCREASE S-LOC 4R CAT A/B VISIBILITY TO RVR 5500.  
CHART NOTE: ##WHEN VESSELS TALLER THAN 144 FEET PRESENT, S-ILS 4R NA.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED. SIMULTANEOUS OPERATIONS REQUIRE USE OF VERTICAL GUIDANCE; MAINTAIN LAST ASSIGNED ALTITUDE UNTIL ESTABLISHED ON GLIDESLOPE.  
CHART SPEED ICON IN PLANVIEW AT GOSHI: AT 210 KIAS.

**ADDITIONAL FLIGHT DATA:**

HOLD NE, LT, 209.99 INBOUND.  
FAS OBST: 176 SHIP 422041N/0710053W.  
CHART VDP AT 2.92 DME.  
DISTANCE VDP TO THLD 1.11 NM.  
CHART MANDATORY 6000 AT GOSHI.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
S-ILS 04R	218	1800	200	218	1800	200	218	1800	200	218	1800	200			
S-LOC 04R	440	2400	422	440	2400	422	440	4000	422	440	4000	422			
## APPROACH MINIMA WHEN CONTROL TOWER REPORTS TALL VESSELS IN APPROACH AREA															
S-ILS 04R	374	4000	356	374	4000	356	374	4000	356	374	4000	356			
S-LOC 04R*	440	4000	422	440	4000	422	440	4000	422	440	4000	422			



CHANGES - REASONS

1. CHANGES FROM P-NOTAMS FOR AMDT 11A INCORPORATED INTO FORM - IAW 8260.19I 8-3-4C(3).  
2. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 3000 ON BOS VOR/DME R-030 TO WAXEN INT BOS 14.04 DME AND HOLD" TO "CLIMB TO 3000 ON BOS VOR/DME R-030 TO WAXEN/BOS 14.04 DME AND HOLD" – WAXEN NO LONGER INTERSECTION FIX DUE TO REMOVING MHT VDME FROM FIX MAKE-UP.  
3. REMOVED "CLIMB TO 3000 ON HEADING 035 AND MHT VOR/DME R-145 TO WAXEN/MHT 26.42 DME AND HOLD (DME REQUIRED)" – ALTERNATE MISSED APPROACHED REMOVED.  
4. PROFILE LINE 4: CHANGED FROM "GOSHI 6000, WINNI 4000, NABBO 3000, MILTT 1700, IRSEW/I-BOS 3.81 DME/RADAR 700" TO "GOSHI 6000, WINNI/I-BOS 16.90 DME/RADAR 4000, NABBO/I-BOS 11.93 DME/RADAR 3000, MILTT/I-BOS 6.93 DME/RADAR 1700, IRSEW/I-BOS 3.81 DME/RADAR 700" - IAW 8260.19I 8-6-7D.  
5. EQUIPMENT REQUIREMENTS NOTES: REMOVED "RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY" - UPDATED NOTE ADDED TO PBN REQUIREMENTS NOTE SECTION IAW 8260.19I.  
6. NOTES: REMOVED "CAT I CHART NOTE: CIRCLING NA FOR CAT C/D W OF RWYS 4L AND 15R" AND "CAT I CHART NOTE: CIRCLING NA TO RWY 14" - CIRCLING REMOVED AT THIS AIRPORT, PER ATC.  
7. NOTES: CHANGED FROM "CHART NOTE: \*\*FOR INOPERATIVE ALS INCREASE S-LOC 4R CAT A/B VISIBILITY TO RVR 5500; RWY 4R HELICOPTER VISIBILITY REDUCTION BELOW 4000 RVR NOT AUTHORIZED" TO "CHART NOTE: \*FOR INOPERATIVE ALS INCREASE S-LOC 4R CAT A/B VISIBILITY TO RVR 5500" – 20:1 PENETRATIONS NO LONGER EXIST, CIRCLING REMOVED.  
8. NOTES: CHANGED FROM "SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH" TO "SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL" - IAW 8260.19I PARA. 8-6-11M(1).  
9. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" – CIRCLING REMOVED AT THIS AIRPORT, PER ATC.  
10. ADDITIONAL FLIGHT DATA: REMOVED "CHART IN PLANVIEW: WAXEN/MHT 26.42 DME" - ALTERNATE MISSED APPROACHED REMOVED.  
11. ADDITIONAL FLIGHT DATA: REMOVED "\*\*LOC ONLY" AND THE ASTERISK FROM "CHART VDP AT 2.92 DME" - NO LONGER REQUIRED BY CRITERIA.  
12. ADDITIONAL FLIGHT DATA: REMOVED "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE WAXEN /MHT 26.42 DME, RT, 325.00 INBOUND.HOLD NE, LT, 209.99 INBOUND. - ALTERNATE MISSED APPROACHED REMOVED.  
13. ALTERNATE MINIMUMS CHANGED FROM " ILS: STANDARD; LOC: CAT A 1000-2, CAT B 1100-2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "ILS: STANDARD; LOC: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - REMOVED CIRCLING MINS.  
14. MINIMUMS: REMOVED ALL CIRCLING MINIMUMS - PER FPT, ATC WOULD LIKE TO REMOVE THE CIRCLING LINE OF MINIMUM DUE TO THIS LOCATION NEVER USING CIRCLING.

04/02/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/28/2024.  
1. EQUIPMENT REQUIREMENTS NOTES: CHANGED FROM "DME OR RADAR REQUIRED" TO "DME REQUIRED".

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE	DATE
Digitally signed by <b>ERIC N SUSKI</b> Apr 05, 2024	

DEVELOPED BY

ERIC N SUSKI (EMMANUEL R. GONZALES)

Digitally signed by  
**ERIC N SUSKI**  
Apr 05, 2024

OFFICE	DATE
AJV-A431	12/12/2023

APPROVED BY

ERIC N SUSKI

Digitally signed by  
**ERIC N SUSKI**  
Apr 05, 2024

OFFICE	DATE	TITLE
AJV-A431		MANAGER

