

**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.

<u>AIRPORT</u> GENERAL EDWARD LAWRENCE LOGAN INTL	<u>AIRPORT ID</u> KBOS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BOSTON	<u>STATE</u> MA	
<u>AIRPORT ELEVATION</u> 19	<u>TDZE</u> 17	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 10/12/2017	<u>MAG VAR</u> 15W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<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>
AYBEE	IAF	KLANE		TF	FB	1.00	271.89	6.97	4000
KLANE		LONER		TF	FB	1.00	271.79	3.78	3000
LONER	IF	RIPIT		TF	FB	1.00	271.73	5.15	1700
RIPIT	FAF	RW27	MAP	TF	FO	0.30	271.65	5.11	
RW27	MAP	419 MSL		CA			271.65		
419 MSL		WANTU		DF	FB	1.00			
WANTU		BOSOX		TF	FO	1.00	266.21	27.05	3000

**MISSED APPROACH**

**MAP:**

LNAV/VNAV: DA  
 LNAV: RW27

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT WANTU AND ON TRACK 266.21 TO BOSOX AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. PROFILE STARTS AT AYBEE
3. FAC: 271.65      FAF: RIPIT      DIST FAF TO MAP: 5.11      DIST FAF TO THLD: 5.11
4. MIN ALT:    AYBEE 6000, KLANE 4000, LONER 3000, RIPIT 1700
5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      493 HAT: 1.37      GS ANT:
6. MIN GP INCPT: 1700      GP ALT AT FAF : RIPIT 1700      OM:      MM:      IM:
7. GP ANGLE: 3.00      34:1: IS CLEAR      20:1: IS CLEAR      TCH: 57.4
8. MSA FROM: RW27 2500

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: CIRCLING NA TO RWY 14.  
CHART NOTE: CIRCLING NA FOR CATS C AND D W OF RWYS 4L AND 15R.  
CHART SPEED ICON IN PLANVIEW AT AYBEE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART MANDATORY 6000 AT AYBEE.  
CHART VDP AT 1.74 NM TO RW27\*  
\*LNAV ONLY  
CHART FAS OBST: 217 TANK 422117N/0705734W.  
HOLD W, RT, 087.04 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT A 1000-2, CAT B 1100-2

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
LNAV/VNAV DA	510	1 3/8	493	510	1 3/8	493	510	1 3/8	493	510	1 3/8	493			
LNAV MDA	640	1 1/2	623	640	1 1/2	623	640	1 3/4	623	640	1 3/4	623			
CIRCLING	940	1 1/4	921	1040	1 1/2	1021	620	1 3/4	601	620	2	601			



**CHANGES - REASONS**

1. CHANGED CIRCLING MINIMUMS FROM CAT A 960/941 TO 940/921, CAT B FROM 1060/1041 TO 1040/1021, CAT C AND D FROM 640/621 TO 620/601. - APPLIED NEW CIRCLING RADII AND XP NO LONGER NEEDED.
2. CHANGED TCH FROM 57.2 FT TO 57.4 FT. - PUBLISHED DATA.
3. ADDED IAF FROM AYBEE TO KLANE AND CHANGED KLANE TO INITIAL STEPDOWN FIX. - TO MATCH TRANSITION FROM OOSHN STAR.
4. MOVED PFAF (RIPIT) 451' EAST TO NEW PFAF LOCATION DUE TO CHANGED TCH.
5. TERMINAL ROUTE FROM LONER TO RIPIT DISTANCE CHANGED FROM 5.22 TO 5.15 - PFAF RELOCATED.
6. DIST FAF TO THLD: CHANGED FROM 5.04 TO 5.11 - PFAF RELOCATED.
7. CHANGED PROFILE STARTS AT: FROM KLANE TO AYBEE.
8. ADDED CHART CIRCLING ICON PER 8260.19H 8-6-10T.
9. MOVED CHART NOTE: DME/DME RNP-0.3 NA FROM NOTES TO PBN REQUIREMENTS NOTES AND CHANGED VERBAGE TO RNP APCH. - CRITERIA REQUIREMENT.
10. RAISED LNAV/VNAV DA/HAT FROM 504/487 TO 510/493 PER IPDS COMPUTATION. CONTROLLING OBSTACLE IS THE SAME.

PDF EDIT'S.

1. CORRECTED CIRCLING CATS C/D CMDA/HAA TO LOWER VALUES AND REMOVED FROM ALTERNATE MINIMUMS - SIAP NOT RECOGNIZING CIRCLING RESTRICTIONS AND LOWER MINIMA.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, BOS APP CON, BOS ATCT, AIRPORT MANAGER, ATA

**FLIGHT CHECKED BY**

STEPHEN BAUER

*Digitally signed by*

**WARDELL HENNING**

Jan 25, 2019

**OFFICE**

FICO

**DATE**

01/12/2019

**DEVELOPED BY**

WARDELL HENNING (THOR CORNELL)

*Digitally signed by*

**WARDELL HENNING**

Jan 25, 2019

**OFFICE**

AJV-5430

**DATE**

10/15/2018

**APPROVED BY**

PATRICK MULQUEEN

*Digitally signed by*

**WARDELL HENNING**

Jan 25, 2019

**OFFICE**

AJV-5430

**DATE**

**TITLE**

MANAGER

