

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 ID</u> BOS	<u>PROCEDURE NAME</u> RNAV (GPS) Z RWY 33L	<u>ORIGINAL/AMENDMENT</u> 2F	<u>CITY</u> BOSTON	<u>STATE</u> MA
<u>AIRPORT ELEVATION</u> 19	<u>TDZE</u> 16	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 33L	<u>ORIGINAL/AMENDMENT</u> 2E	<u>DATED</u> 11/03/2022
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 JUNE 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 15W
				<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BENNN	IF	COHAS		TF	FB	1.00	330.34	5.36	3000
COHAS		NIMOY		TF	FB	1.00	330.28	4.94	1500
NIMOY	FAF	RDUKE/2.00 NM TO RW33L		TF	FB	0.30	330.23	2.48	
RDUKE/2.00 NM TO RW33L		RW33L	MAP	TF	FO	0.30	330.23	2.00	
RW33L	MAP	600 MSL		CA			330.23		600
600 MSL		WAXEN		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW33L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT WAXEN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT BENNN
- FAC: 330.23 FAF: NIMOY DIST FAF TO MAP: 4.48 DIST FAF TO THLD: 4.48
- MIN ALT: BENNN 4000, COHAS 3000, NIMOY 1500, RDUKE/2.00 NM TO RW33L 700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.45 GS ANT: MM: IM:
- MIN GP INCPT: 1500 GP ALT AT PFAF: NIMOY 1500
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 57.0
- MSA FROM: RW33L 2500



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD NE, LT, 208.99 INBOUND.
CHART FAS OBST: 220 VERTICAL STRUCTURE (25-043482) 422045N/0705724W.
CHART VDP AT 1.12 NM TO RW33L.
WAAS CHANNEL # 69525
REFERENCE PATH ID: W33A
LTP HAE: -22.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
LPV DA	216	1800	200	216	1800	200	216	1800	200	216	1800	200			
LNAV/VNAV DA	324	2400	308	324	2400	308	324	2400	308	324	2400	308			
LNAV MDA	440	2400	424	440	2400	424	440	4000	424	440	4000	424			

CHANGES - REASONS

- REMOVED CIRCLING MINIMUMS - PER FPT, ATC WOULD LIKE TO REMOVE THE CIRCLING LINE OF MINIMIUM DUE TO THIS LOCATION NEVER USING CIRCLING.
- REMOVED CHART NOTE: "CIRCLING NA TO RWY 14" - CIRCLING MINS REMOVED AT THIS AIRPORT, PER ATC.
- REMOVED CHART NOTE: "CIRCLING NA FOR CATS C AND D W OF RWYS 4L AND 15R" - CIRCLING MINS REMOVED AT THIS AIRPORT, PER ATC.
- ADDITIONAL FLIGHT DATA: REMOVED CHART PLANVIEW NOTE: "RADAR REQUIRED" - NO LONGER REQUIRED.
- ALTERNATE MINIMUMS CHANGED FROM "CAT A 1000-2, CAT B 1100-2" TO "STANDARD" - REMOVED CIRCLING MINS; 8260.3E, 3-4-1.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

X

NBAA

X

OTHER:

BOS APP CON, BOS ATCT, ZBW, BOS 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

DAVID DANNER

Apr 25, 2024

DEVELOPED BY

TIMOTHY JOHNSON

Digitally signed by

Timothy Johnson

Apr 17, 2024

OFFICE

AJV-A421

DATE

11/20/2023

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Apr 25, 2024

OFFICE

AJV-A421

DATE

05/16/2024

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
KBOS
RW33L
0
Z
0
W33A
422116.7425N
0705929.7095W
-00229
422227.3730N
0710104.4090W
00057.0
F
03.00
106.75
0000
40.0
35.0

CRC REMAINDER

FCF27897

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00048
+00048

