

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) Y RWY 22L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> BOSTON	<u>STATE</u> MA
<u>AIRPORT ELEVATION</u> 19	<u>TDZE</u> 16	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 22L	<u>DATED</u> 02/22/2024	<u>MAG VAR</u> 15W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 JUNE 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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
EGGRL		SRINO		TF	FB	1.00	271.16	4.90	3000
SRINO	IAF	SNDBA		TF	FB	1.00	271.32	2.86	2000
SNDBA	IF	KELYS		TF	FB	1.00	272.44	2.94	1300
KELYS		CHELC		TF	FB	1.00	229.57	1.42	1100
CHELC	FAF	RW22L	MAP	TF	FO	0.30	214.76	3.23	
RW22L	MAP	216 MSL		CA			214.75		
216 MSL		WINNI		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW22L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT WINNI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
2. PROFILE STARTS AT SNDBA
3. FAC: 214.76 FAF: CHELC DIST FAF TO MAP: 3.23 DIST FAF TO THLD: 3.23
4. MIN ALT: SNDBA 2000, KELYS 1300, CHELC 1100
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.46 GS ANT: MM: IM:
6. MIN GP INCPT: 1100 GP ALT AT PFAF: CHELC 1100 OM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.3
8. MSA FROM: RW22L 2500



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.  
CHART SPEED ICON IN PLANVIEW AT EGGRL: MAX 210 KIAS.  
CHART SPEED ICON IN PLANVIEW AT SNDBA: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 037.70 INBOUND.  
CHART FAS OBST: 231 BUILDING (25-000455) 422323N/0710020W.  
CHART 290 TOWER (25-000080) 422609N/0705932W.  
CHART VDP AT 1.29 NM TO RW22L.  
WAAS CHANNEL # 77645  
REFERENCE PATH ID: W22B  
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	4000	200	216	4000	200	216	4000	200	216	4000	200			
LNAV/VNAV DA	408	4500	392	408	4500	392	408	4500	392	408	4500	392			
LNAV MDA	500	4000	484	500	4000	484	500	6000	484	500	6000	484			

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 WEST OF RWYS 4L AND 15R" - CIRCLING MINS REMOVED AT THIS AIRPORT, PER ATC.
- ALTERNATE MINIMUMS CHANGED FROM "CAT A 1000-2, CAT B 1100-2" TO "STANDARD" - REMOVED CIRCLING MINS; 8260.3E, 3-4-1; CANCELS T-NOTAM 4/4231.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZBW, BOS APP CON, BOS ATCT, 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 15, 2024

OFFICE

DATE

AJV-A421

11/20/2023

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Apr 25, 2024

OFFICE

DATE

AJV-A421

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  
RW22L  
0  
Y  
0  
W22B  
422225.6945N  
0710002.8455W  
-00229  
422101.7985N  
0710043.4300W  
00055.3  
F  
03.00  
106.75  
0064  
40.0  
35.0

CRC REMAINDER

57769606

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE  
LTP ORTHOMETRIC HEIGHT  
FPAP ORTHOMETRIC HEIGHT

K6  
+00048  
+00048

