

**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><b>AIRPORT</b></u> GENERAL EDWARD LAWRENCE LOGAN INTL	<u><b>AIRPORT ID</b></u> KBOS	<u><b>PROCEDURE NAME</b></u> ILS OR LOC RWY 15R	<u><b>ORIGINAL/AMENDMENT</b></u> 2	<u><b>CITY</b></u> BOSTON	<u><b>STATE</b></u> MA
<u><b>AIRPORT ELEVATION</b></u> 19	<u><b>TDZE</b></u> 17	<u><b>SUPERSEDED</b></u> ILS OR LOC RWY 15R	<u><b>ORIGINAL/AMENDMENT</b></u> 1G	<u><b>DATED</b></u> 03/29/2018	<u><b>MAG VAR</b></u> 15W
<u><b>FACILITY</b></u> I-MDC	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2020

**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>
GDM VOR/DME	IAF	SWIGG INT/I-MDC 15.33 DME					104.96	36.13	4000
AADMS	IAF	SWIGG		TF	FB	1.00	148.33	4.59	4000
SWIGG INT/I-MDC 15.33 DME	IF	WOBUR INT/I-MDC 10.51 DME					148.56	4.82 (I-MDC)	3000
WOBUR INT/I-MDC 10.51 DME		MALDY/I-MDC 6.45 DME					148.56	4.06 (I-MDC)	1700

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: ZASMU/1.75 DME FIX

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 ON BOS VOR/DME R-154 TO CELTS INT/BOS 11.65 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 3000 ON HEADING 160 AND LFV VOR/DME R-305 TO CELTS INT/LFV 36.65 DME AND HOLD.

**PROFILE:**

1. PT      **SIDE OF COURSE**      **OUTBOUND**      **FT WITHIN**      **MILES OF (IAF)**
2. PROFILE STARTS AT SWIGG
3. **FAC:** 148.56      **FAF:** MALDY/I-MDC 6.45 DME      **DIST FAF TO MAP:**      **DIST FAF TO THLD:** 5.10
4. **MIN ALT:** SWIGG INT/I-MDC 15.33 DME 4000, WOBUR INT/I-MDC 10.51 DME 3000, MALDY/I-MDC 6.45 DME 1700
5. **DIST TO THLD FROM OM:**      **MM:**      **IM:**      **150 HAT:**      **GS ANT:** 1192
6. **MIN GS INCPT:** 1700      **GS ALT AT FAF :** MALDY/I-MDC 6.45 DME 1700      **OM:**      **MM:**      **IM:**
7. **GP ANGLE:** 3.00      **34:1:**      **20:1:**      **TCH:** 60.0
8. **MSA FROM:** BOS VOR/DME 215-305 2500, 305-215 2000



**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED FOR LOC ONLY.  
FROM ADDMS: RNAV 1-GPS REQUIRED.

**NOTES:**

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: CIRCLING NA FOR CATS C AND D W OF RWYS 4L AND 15R.  
CHART NOTE: CIRCLING NA TO RWY 14.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GDM VOR/DME AIRWAY RADIALS 071 CW 111.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 15R CAT C/D VISIBILITY TO 1 5/8 SM.

**ADDITIONAL FLIGHT DATA:**

CHART 639 BLDG 422120N/0710308W.  
CHART 700 BLDG 422108N/0710323W.  
CHART PLANVIEW NOTE: LOC OFFSET 1.60 DEGREES.  
CHART CIRCLING ICON.  
CHART IN PLANVIEW: CELTS INT/LFV 36.65 DME  
FAS OBST: 318 AAO 422541N/0710457W.  
CHART: 531 TOWER 422552N/0710517W.  
FAC CROSSES RWY C/L EXTENDED 1499 FT FROM THLD.  
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE CELTS INT/LFV 36.65 DME, RT, 304.96 INBOUND.  
HOLD SE, RT, 333.96 INBOUND

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD; LOC: 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
S-ILS 15R	267	2400	250	267	2400	250	267	2400	250	267	2400	250			
S-LOC 15R	580	2400	563	580	2400	563	580	1 1/4	563	580	2 1/4	563			
CIRCLING	940	1 1/4	921	1040	1 1/2	1021	620	1 3/4	601	620	2	601			

**CHANGES - REASONS**

- 1. ADDED ENROUTE RNAV TRANSITION FROM AADMS TO SWIGG. - ATC REQUIREMENT.
- 2. ADDED EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED FOR LOC ONLY. - CRITERIA REQUIREMENT.
- 3. ADDED EQUIPMENT REQUIREMENTS NOTE: FROM ADDMS: RNAV 1-GPS REQUIRED. - CRITERIA REQUIREMENT.
- 4. REMOVED CHART NOTE: DME REQUIRED. - CRITERIA CHANGE.
- 5. 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, CHART CIRCLING ICON. - APPLIED NEW CIRCLING RADII AND XP NO LONGER NEEDED.
- 6. UPDATED PFAF ; DISTANCE FAF TO THLD CHANGED FROM 5.02 TO 5.10 - NEW PFAF CALCULATION.

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

AIRPORT

AIRPORT ID

PROCEDURE NAME

ORIGINAL/AMENDMENT

CITY

STATE

GENERAL EDWARD LAWRENCE LOGAN  
INTL

KBOS

ILS OR LOC RWY 15R

2

BOSTON

MA

COORDINATED WITH:

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

FLIGHT CHECKED BY

STEPHEN BAUER

*Digitally signed by*

**WARDELL HENNING**

Dec 09, 2019

OFFICE

FICO

DATE

01/12/2019

DEVELOPED BY

DONALD H. LANIER (THOR CORNELL)

*Digitally signed by*

**WARDELL HENNING**

Dec 09, 2019

OFFICE

AJV-5430

DATE

10/01/2018

APPROVED BY

PATRICK MULQUEEN

*Digitally signed by*

**WARDELL HENNING**

Dec 09, 2019

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> GENERAL EDWARD LAWRENCE LOGAN INTL	<u>AIRPORT ID</u> KBOS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 15R	<u>AMDT NO.</u> 2	<u>CITY</u> BOSTON	<u>STATE</u> MA	<u>AIRPORT ELEVATION</u> 19	<u>FACILITY</u> I-MDC
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM

GDM VOR/DME

TO

SWIGG INT/I-MDC 15.32 DME

RNP

DISTANCE

36.13

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.AAO	422921.00N/0715312.00W	2219	50	20	2C	1000				AT781	4000
2.TERRAIN	422921.00N/0715312.00W	2019 (2000)								AS1500	3500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

INITIAL

FROM

AADMS

TO

SWIGG

RNP

DISTANCE

4.59

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.AAO	423245.00N/0711912.00W	620	164	98	4E	1000				AT2300	4000
4.TERRAIN	423245.00N/0711912.00W	420 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

QUALITY  
18  
CHECKED

## REMARKS:

RW15R

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				267

RF CENTER FIX/DISTANCE

REMARKS:

ZASMU/1.75 DME FIX

**HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.AAO	422541.32N/0710456.83W	318	50	20	2C	250					580

**RF CENTER FIX/DISTANCE**

REMARKS:

MISSED APPROACH : ILS

FROM

DA

TO

CELTS INT/LFV 36.65 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
75												
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3000
10.TOWER (25-000029)	421644.00N/0705232.00W		520	100	20	3C	1000					1600
11.TERRAIN	421133.00N/0705118.00W		256 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

MISSED APPROACH : LOC

FROM

ZASMU/1.75 DME FIX

TO

CELTS INT/LFV 36.65 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
350												
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3000
10.TOWER (25-000029)	421644.00N/0705232.00W		520	100	20	3C	1000					1600
11.TERRAIN	421133.00N/0705118.00W		256 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:



<u>AIRPORT</u> GENERAL EDWARD LAWRENCE LOGAN INTL	<u>AIRPORT ID</u> KBOS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 15R	<u>AMDT NO.</u> 2	<u>CITY</u> BOSTON	<u>STATE</u> MA	<u>AIRPORT ELEVATION</u> 19	<u>FACILITY</u> I-MDC
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MISSED APPROACH ALTERNATE : ILS

FROM

DA

TO

CELTS INT/LFV 36.65 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u> 75
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
10.TOWER (25-000029)	421644.00N/0705232.00W	520	100	20	3C	1000					1600
11.TERRAIN	421133.00N/0705118.00W	256 (300)								AS1500	1800

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT

REMARKS:

MISSED APPROACH ALTERNATE : LOC

FROM

ZASMU/1.75 DME FIX

TO

CELTS INT/LFV 36.65 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u> 350
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
10.TOWER (25-000029)	421644.00N/0705232.00W	520	100	20	3C	1000					1600
11.TERRAIN	421133.00N/0705118.00W	256 (300)								AS1500	1800

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT

REMARKS:





CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
12.BUILDING (25-000430)	422120.28N/0710307.73W	1.30	921	639	20	3	1A	300			940
CATEGORY B											
13.BLDG_TWR (25-025111)	422121.40N/0710334.86W	1.81	1021	730	20	3	1A	300			1040
CATEGORY C											
14.TANK (25-000427)	422403.37N/0710149.26W	2.84	601	302	20	3	1A	300			620
CATEGORY D											
14.TANK (25-000427)	422403.37N/0710149.26W	3.70	601	302	20	3	1A	300			620

CIRCLING REMARKS:

MSA

CENTER	RADIUS
BOS VOR/DME	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
215-305	TWR (25-000619)	422302.73N/0712935.33W	290	22.5	1462	50	3	2A	1000			2500
305-215	TWR (25-000538)	421449.00N/0710254.00W	217	07.1	990	250	50	5D	1000			2000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

ILS AND LOC INTERMEDIATE SEGMENTS HAVE SAME CONTROLLING OBS/HIGH TERRAIN.

FIXES SWIGG AND WOBUR PLACED AT ATC REQUEST TO KEEP APPROACH AIRCRAFT WITHIN CLASS B AREA.

ATC DESIRES TO ALLOW SMALL AIRCRAFT (CAT A/B) TO CIRCLING TO RWY 04L, BUT DOES NOT WANT CAT C/D TO CIRCLE WEST DUE TO AN UNREASONABLY HIGH CIRCLING MDA.





CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	ILS AND LOC		
20:1			
RWY 14			
191 BLDG (25-000534) 422132.11N/0710138.07W (115.8)		226 MOBILE CRANE (KBOS0087) 422146.27N/0710155.35W (56.36)	
227 CRANE (25-000233) 422142.00N/0710201.00W (52.72)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

NO BACKUP ALTIMETER DESIGNATED, REDUNDANT ALTIMETER AVAILABLE.

NO ADDITIONAL AIRSPACE REQUIRED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 531 TOWER (25-000028) 422551.86N/0710517.31W.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.53
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.98
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	133.56
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	227
DISTANCE FROM	THLD	TO 1500FT POINT	5.10
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	1.32
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	133.56
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	381

THRESHOLD  
COORDINATES  
(IF STR-IN)422221.20N/0710056.13W

ARP COORDINATES422146.60N/0710023.00W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 22R DISTANCE 0.92 NM

FAF  
COORDINATES422549.13N/0710550.36W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.  
THLD DISPLACED 881.702FT, ACTUAL COORDINATES: 422227.37N/0710104.41W.



PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DONALD H. LANIER (THOR CORNELL)	AJV-5430	10/01/2018	

