

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
LAWRENCE	ONE	LWM1.LWM	NINE	01/3/2019	<i>17 JUN 2021</i>
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DP ROUTE DESCRIPTION:**TAKEOFF RWY 5:** CLIMB ON HEADING 053.17 TO 1100, THEN AS ASSIGNED BY ATC, THENCE ...**TAKEOFF RWY 14, 23, 32:** CLIMB ON HEADING AS ASSIGNED BY ATC, THENCE ...

...EXPECT RADAR VECTORS TO ASSIGNED ROUTE/NAVAID/FIX. MAINTAIN 2000. EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
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PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: NON RNAV EQUIPPED AIRCRAFT CAN EXPECT VECTORS ON ASSIGNED ROUTE.

NOTE: BLZZR DEPARTURES EXPECT VECTORS ON BOS R-273, DME REQUIRED.

NOTE: BRUWN DEPARTURES EXPECT VECTORS ON BOS R-159, DME REQUIRED.

NOTE: CELTK DEPARTURES EXPECT VECTORS ON BOS R-114.

NOTE: HYLND DEPARTURES EXPECT VECTORS ON BOS R-350.

NOTE: PATSS DEPARTURES EXPECT VECTORS ON BOS R-260, DME REQUIRED.

NOTE: REVSS DEPARTURES EXPECT VECTORS ON BOS R-285, DME REQUIRED.

NOTE: SSOXS DEPARTURES EXPECT VECTORS ON BOS R-177.

TAKEOFF MINIMUMS:**RWY 5,** 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 435 FT PER NM TO 500.**RWY 14,** 300-1 OR STANDARD WITH MINIMUM CLIMB OF 625 FT PER NM TO 600.**RWY 23,** 300-1 OR STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 400.**RWY 32,** STANDARD.**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:**RWY 5:** 327 FT MSL TREE 424336.98N/0710620.14W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE), 354 FT MSL TREE 424415.80N/0710600.36W (CEILING), 352 FT MSL TREE 424415.62N/0710557.40W (VISIBILITY).**RWY 14:** 417 FT MSL POLE 424226.30N/0710633.63W.**RWY 23:** 294 FT MSL STACK 424218.00N/0710829.00W.**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:****RWY 5** - 868 FT MSL TOWER 424622.00N/0710601.00W.

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LAWRENCE	ONE	LWM1.LWM	NINE	01/3/2019	17 JUN 2021

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 2000
 CHART: BOS R-273/35.3 DME AT BLZZR.
 CHART: BOS R-159/56.6 DME AT BRUWN.
 CHART: BOS R-114/39.8 DME AND LFV R-005/15.2 DME AT CELTK.
 CHART: BOS R-350/28.4 DME AT HYLND.
 CHART: BOS R-260/36.0 DME AT PATSS.
 CHART: BOS R-285/36.5 DME AT REVSS
 CHART: BOS R-177/33.1 DME AND PVD R-091131.4 DME AT SSOXS.
 CHART: BOS R-048/31.0 DME AT LBSTA.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
LAWRENCE MUNI	KLWM	LAWRENCE	MA

COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, GROUND CONTROL, TOWER, DEPARTURE CONTROL

FIXES AND/OR NAVAIDS:

ACK VOR/DME, BAF VORTAC, BOS VOR/DME, CAM VOR/DME, CTR VOR/DME, ENE VOR/DME, LFV VOR/DME, MVY VOR/DME, PVD VOR/DME, SEY VOR/DME, SYR VORTAC, BLZZR, BOSOX, BRUWN, BURDY, BUZRD, CELTK, DUNNK, FREDO, FRILL, GLYDE, HANAA, HYLND, LBSTA, NELIE, PATSS, REVSS, SSOXS

REMARKS:

ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020 SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

OFFICE**DATE**

Digitally signed by

JOHN BORDY

Mar 09, 2021

DEVELOPED BY

AUSTIN GOTCHER

Digitally signed by

AUSTIN GOTCHER

Mar 09, 2021

OFFICE

AJV-A422

DATE

01/07/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Mar 09, 2021

OFFICE

AJV-A42

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ARPT MGR, ZBW, BOS APP CON, LWM ATCT

CHANGES - REASONS:

1. REMOVED MANCHESTER (MHT) VOR/DME, PEASE (PSM) VOR/DME, AND CARMEL (CMK) VOR/DME FROM CHART. - NAVAIDS ARE BEING REMOVED FOR VORMON, FPT REQUEST.
2. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART: BOS R-350/28.4 DME AND PSM R-243/26.7 DME AT HYLND." TO "CHART: BOS R-350/28.4 DME AT HYLND." - VORMON, FPT REQUEST.

QUALITY
8
CHECKED