

**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> KLWM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> LAWRENCE	<u>STATE</u> MA		
<u>AIRPORT ELEVATION</u> 148	<u>TDZE</u> 146	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 15W	<u>EPOCH YEAR</u> 1980
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 2022	<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>
KHRIS	IAF	ROUAN		TF	FB	1.00	204.95	4.72	2000
CARED	IAF	ROUAN		TF	FB	1.00	243.38	5.31	2000
ROUAN	IF	BRYSL		TF	FB	1.00	175.23	4.32	2000
BRYSL		MSAAD		TF	FB	1.00	166.32	3.24	1500
MSAAD	FAF	RW14	MAP	TF	FO	0.30	136.63	4.19	
RW14	MAP	548 MSL		CA			136.63		
548 MSL		WITCH		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LP: RW14  
LNAV: RW14

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING LEFT TURN TO 2000 DIRECT WITCH AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





AIRPORT ID  
KLWM

PROCEDURE NAME  
RNAV (GPS) RWY 14

ORIGINAL/AMENDMENT  
ORIG

CITY  
LAWRENCE

STATE  
MA

**COORDINATED WITH:**

**A4A** ☒   **ALPA** ☒   **AOPA** ☒   **APA** ☒   **HAI** ☐   **NBAA** ☒

**OTHER:** ZBW ARTCC, BOS APP CON. LWN TOWER, AMGR

**FLIGHT CHECKED BY**

JEREMY R VIRTIS

*Digitally signed by*

**JASON KRETSCHMER**

Jun 17, 2022

**OFFICE**

FPO

**DATE**

06/14/2022

**DEVELOPED BY**

JASON KRETSCHMER (COLIN CAMPBELL)

*Digitally signed by*

**JASON KRETSCHMER**

May 10, 2022

**OFFICE**

AJV-A421

**DATE**

02/06/2022

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**JASON KRETSCHMER**

May 10, 2022

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLWM
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	424315.5615N
LTP/FTP LONGITUDE	0710746.3345W
LTP/FTP ELLIPSOIDAL HEIGHT	+00097
FPAP LATITUDE	424228.7225N
FPAP LONGITUDE	0710603.5085W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1640
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BCDBC7B6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00370
FPAP ORTHOMETRIC HEIGHT	+00370

