

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</u> LAWRENCE MUNI | <u>AIRPORT ID</u> KLWC | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 15 | <u>ORIGINAL/AMENDMENT</u> ORIG-C | <u>CITY</u> LAWRENCE | <u>STATE</u> KS | |
| <u>AIRPORT ELEVATION</u> 833 | <u>TDZE</u> 831 | <u>SUPERSEDED</u> RNAV (GPS) RWY 15 | <u>ORIGINAL/AMENDMENT</u> ORIG-B | <u>DATED</u> 05/07/2009 | <u>MAG VAR</u> 4E | <u>EPOCH YEAR</u> 2005 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

TAA

| FROM | FIX TYPE | TO | FIX TYPE | ALTITUDE |
|---------------------|-----------------|------------------|-----------------|-----------------|
| 1. 059/30 CW 239/30 | NOPT | 059/15 CW 239/15 | | 3600 |
| 2. 059/15 CW 239/15 | | RIBCO | IF/IAF | 2700 |
| 3. 239/30 CW 329/30 | | BOVAC | IAF | 3100 |
| 4. 329/30 CW 059/30 | | HASES | IAF | 3600 |

TERMINAL ROUTES

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|-------------|-----------------|-----------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| BOVAC | IAF | RIBCO | NOPT | TF | FB | 1.00 | 239.46 | 5.00 | 2700 |
| HASES | IAF | RIBCO | NOPT | TF | FB | 1.00 | 059.34 | 5.00 | 2700 |
| RIBCO | IF/IAF | ROYOL | | TF | FB | 1.00 | 149.40 | 6.02 | 2700 |
| ROYOL | FAF | RW15 | MAP | TF | FO | 0.30 | 149.44 | 5.63 | |
| RW15 | MAP | 1233 MSL | | CA | | | 149.44 | | |
| 1233 MSL | | GOLEY | | DF | FO | 1.00 | | | 3100 |

MISSED APPROACH

MAP:

LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT GOLEY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW RIBCO, RT, 149.40 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 149.44

FAF: ROYOL

DIST FAF TO MAP: 5.63

DIST FAF TO THLD: 5.63

4. MIN ALT: RIBCO 2700, ROYOL 2700

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

ROYOL TO RW15: 3.05/45.
CHART VDP AT 1.44 NM TO RW15
CHART FAS OBST: 1087 TREE 390222N/0951451W.
HOLD SE, RT, 329.54 INBOUND

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 |
| LNAV MDA | 1340 | 1 | 509 | 1340 | 1 | 509 | 1340 | 1 1/2 | 509 | | NA | | | | |
| CIRCLING | 1420 | 1 | 587 | 1420 | 1 | 587 | 1440 | 1 3/4 | 607 | | NA | | | | |

CHANGES - REASONS

1. INCREASED TAA RIGHT BASE MINIMUM ALTITUDE FROM 3200 FT TO 3600 FT - IAW NOTAM FDC 8/0698 AND NEW OBST EVALUATION.
2. ADDED ALTERNATE MINIMUMS "STANDARD" - LOCAL WEATHER ON WMSCR.
3. REMOVED BACKUP ALTIMETER NOTE - MOVED TO -9 FOR CONTINGENCY PURPOSES - IAW 8260.19H PARA 8-6-11 N(1)(A)(3).
4. CHANGED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTER NA TO RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - IAW 8260.19H PARA 8-6-11 K(3) AND 20:1 OBST MITIGATED.
5. REMOVED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.19H PARA 4-5-2 A(6)(E).
6. ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H PARA 8-6-8 B(1).
7. ADDED MAX HOLDING 6000 AT RIBCO - IAW 8260.19H PARA 8-6-7B(2).
8. ADDED 20:1 IS CLEAR TO PROFILE VIEW. - NEW TARGETS EVALUATION.
9. ADDED ADDITIONAL FLIGHT DATA: CHART VDP AT 1.44 NM TO RW15 - NEW OBST EVALUATION AND ALL 20:1 OBST MITIGATED.
10. ADDED A CA LEG TO TERMINAL ROUTES - IAW 8260.85A PARA 3-5-2 AND PARA 3-5-2 A.



COORDINATED WITH:

A4A ☐ **ALPA** ☐ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZKC, AMGR, KS AERO, ICT FSS

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

Digitally signed by

DATE

WARDELL HENNING

Apr 12, 2019

DEVELOPED BY

WARDELL HENNING (KENO HARTSHORN)

Digitally signed by

WARDELL HENNING

Apr 12, 2019

OFFICE

AJV-A432

DATE

02/21/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

WARDELL HENNING

Apr 12, 2019

OFFICE

AJV-A430

DATE

TITLE

MANAGER