

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**VOR STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.23**

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>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
WAYNESVILLE-ST ROBERT RGNL FORNEY FLD	KTBN	VOR RWY 15	1	FORT LEONARD WOOD	MO	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1160	1158	VOR RWY 14	ORIG-A	12/07/2017	0E	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
TBN		15 AUGUST 2019	08/15/2015			

**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>

**MISSED APPROACH**

**MAP:**

TBN VOR

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 ON TBN VOR R-323 TO REBBS INT/I-TBN LOC/DME 10.98 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT R    **SIDE OF COURSE** 318.00    **OUTBOUND** 2800    **FT WITHIN** 10    **MILES OF** TBN VOR (IAF)
- 2.
3. **FAC:** 138.00    **FAF:**    **DIST FAF TO MAP:**    **DIST FAF TO THLD:**
4. **MIN ALT:** ZUTMA/I-TBN LOC/DME 2.50 DME 1700\*\*
8. **MSA FROM:** TBN VOR 2900

**EQUIPMENT REQUIREMENTS NOTES:**

**NOTES:**

CHART NOTE: PROCEDURE NA WHEN R-4501B OR R-4501H IN USE.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-15 CAT A AND B OR TO ZUTMA FIX MINIMUMS.  
CHART NOTE: CIRCLING NA W OF RWY 15-33.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROLLA NATIONAL ALTIMETER SETTING AND INCREASE ALL MDAS 80 FT AND INCREASE S-15 VISIBILITY CATS C/D 1/4 SM AND CIRCLING CAT C VISIBILITY 1/8 SM.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO CATS A/B WHEN USING ROLLA NATIONAL ALTIMETER SETTING.  
CHART NOTE: FOR INOPERATIVE ALS WHEN USING ROLLA NATIONAL ALTIMETER SETTING INCREASE S-15 CATS C/D VISIBILITY TO 1 3/4 SM.  
CHART NOTE: FOR INOPERATIVE ALS WHEN USING ROLLA NATIONAL ALTIMETER SETTING INCREASE S-15 ZUTMA FIX MINIMUMS CATS C/D VISIBILITY TO 1 3/8 SM.  
CHART PROFILE NOTE: \*\*1780 WHEN USING ROLLA NATIONAL ALTIMETER SETTING.



ADDITIONAL FLIGHT DATA:

\*DME FROM I-TBN LOC/DME  
ZUTMA TO RW15: 3.00/50.  
CHART CIRCLING ICON.  
CHART CANNON A MOA  
CHART R-4501 A, B, C, D, E, F, H  
CHART LINDBERGH A MOA  
CHART VDP AT 1.92 DME  
DISTANCE VDP TO THLD 0.98 NM  
CHART FAS OBST: 1335 TOWER 374631N/0920818W.  
FAC CROSSES RWY C/L EXTENDED 1059 FT FROM THLD.  
HOLD SE, RT, 323.00 INBOUND

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

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-15	1700	1	542	1700	1	542	1700	1 1/8	542	1700	1 1/8	542			
CIRCLING	1700	1	540	1700	1	540	1700	1 5/8	540	1720	2	560			
ZUTMA FIX MINIMUMS*															
S-15	1520	1	362	1520	1	362	1520	1	362	1520	1	362			
CIRCLING	1580	1	420	1660	1	500	1660	1 1/2	500	1720	2	560			

CHANGES - REASONS

1. ADDED VDP AT 2.00 DME, 0.97 NM FROM THLD.- CURRENT CRITERIA SUPPORTS VDP AS LONG AS DME SOURCE IS CONSIST ANT THROUGHOUT FINAL.
2. ADDED 3 DEGREES TO ALL COURSES AND HEADINGS. - KTBN AIRPORT, TBN VOR MAGNETIC VARIATION UPDATED FROM 3 E TO 0 DEGREES/EPOCH YEAR 2020.
3. CHANGED BACKUP ALTIMETER NOTE FROM: WHEN CONTROL TOWER CLOSED, USE ROLLA NATIONAL ALTIMTER SETTING: INCREASE ALL MDAS 80 FEET AND ALL VISIBILITIES 1/2 MILE. TO: WHEN LOCAL ALTIMETER SETTING NOT RECIEVED, USE ROLLA NATIONAL ALTIMETER SETTING AND INCREASE ALL MDAS 80 FT AND INCREASE S-15 VISIBILITY CATS C/D 1/4 SM AND CIRCLING CAT C VISIBILITY 1/8 SM. - NEW 8260.3D CHAPTER 3 CALCULATIONS.
4. MOVED FINAL STEPDOWN FIX FROM 3.5 I-TBN DME TO 2.49 I-TBN DME. - FAAO 8260.3D PARAGRAPH 2-6-4 MINIMUM DESCENT ANGLE.
5. NAMED STEPDOWN FIX ZUTMA. - FAAO 8260.19H PARAGRAPH 2-10-5A.
6. CHANGED FAS OBSTACLE FROM 1250 TREE 374438N/0920940W TO 1335 TOWER 374631N/0920818W. - NEW SURVEY.
7. CHANGED DISTANCE FAC CROSSES EXTENDED RWY CENTERLINE FROM 4942 TO 1059. - NEW IAPA MEASUREMENT.
8. DELETED CHART : 1335 TOWER 374631N/0920818W FROM ADDITIONAL FLIGHT DATA. - THIS OBSTACLE IS NOW THE FAS OBSTACLE.
9. CHANGED S-15 CATS C/D VISIBILITY FROM 1 5/8 AND 1 3/4 TO 1 1/8 AND 1 1/8 AND CIRCLING CAT C VISIBILITY FROM 1 1/2 TO 1 5/8. - VISI CALCULATOR AND FAAO 8260.3D CHAPTER 3.
10. ADDED CHART NOTE: CIRCLING NA W OF RWY 15-33. - ATC REQUEST.
11. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA AND RAISED CAT B STEPDOWN CIRCLING MDA FROM 1620/HAA 460 TO 1660/HAA 500. - NEW CIRCLING CRITERIA APPLIED.
12. CHANGED INOPERATIVE TABLE DOES NOT APPLY NOTE FROM "INOPERATIVE TABLE DOES NOT APPLY" TO "INOPERATIVE TABLE DOES NOT APPLY TO S-15 CAT A AND B OR TO ZUTMA FIX MINIMUMS" - VISI CALCULATOR AND FAAO 8260.3D CHAPTER 3.
13. CHANGED PROCEDURE NAME FROM VOR RWY 14 TO VOR RWY 15. - KTBN RUNWAYS RENUMBERED.
14. CHANGED DME MINIMUMS TO ZUTMA FIX MINIMUMS\*. - STEP-DOWN FIX IS NOW NAMED ZUTMA.
15. ADDED \*DME FROM I-TBN LOC/DME TO ADDITIONAL FLIGHT DATA. - DME SOURCE IS DIFFERENT FORM COURSE GUIDANCE FACILITY.
16. ADDED VDP AT 1.92 DME/0.98 FROM THLD. - FAAO 8260.3D FORMULA 2-6-5.
17. DELETED 1341 AND 1349 TOWERS FROM CHARTING. - NO LONGER REQUIRED (FINAL OBS IS 1341 TOWER).
18. ADDED INOPERATIVE ALS NOTES. - FAAO 8260.3D CHAPTER 3 AND VISI CALCULATOR.
19. ADDED ALTERNATE MINIMUMS NOTE NA WHEN LOCAL WEATHER NOT AVAILABLE. - FAAO 8260.19H PARAGRAPH 8-6-11 B(4).



WAYNESVILLE-ST ROBERT RGNL FORNEY

KTBN

VOR RWY 15

1

FORT LEONARD WOOD

MO

FID

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: TBN ATCT, ZKC, MO ST AERO, AMGR

FLIGHT CHECKED BY

PENDING

*Digitally signed by*

**DONALD H LANIER**

Apr 17, 2019

OFFICE

FICO

DATE

**DEVELOPED BY**

LIAM DONAHUE

*Digitally signed by*

**LIAM DONAHUE**

Mar 11, 2019

APPROVED BY

PATRICK MULQUEEN

*Digitally signed by*

**DONALD H LANIER**

Apr 17, 2019

OFFICE

AJV-A431

DATE

12/21/2018

OFFICE

AJV-A430

DATE

TITLE

MANAGER

