

**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> THIEF RIVER FALLS RGNL	<u>AIRPORT ID</u> KTVF	<u>PROCEDURE NAME</u> VOR Y RWY 13	<u>ORIGINAL/AMENDMENT</u> 9B	<u>CITY</u> THIEF RIVER FALLS	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1119	<u>TDZE</u> 1115	<u>SUPERSEDED</u> VOR RWY 13	<u>ORIGINAL/AMENDMENT</u> 9A	<u>DATED</u> 09/15/2016	<u>MAG VAR</u> 8E
<u>FACILITY</u> TVF	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 APRIL 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1965

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:
TVF VOR/DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 2700 THEN RIGHT TURN DIRECT TVF VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L **SIDE OF COURSE** 297.35 **OUTBOUND** 2700 **FT WITHIN** 10 **MILES OF** TVF VOR/DME (IAF)
2.
3. **FAC:** 117.35 **FAF:** **DIST FAF TO MAP:** **DIST FAF TO THLD:**
4. **MIN ALT:**
8. **MSA FROM:** TVF VOR/DME 2700

EQUIPMENT REQUIREMENTS NOTES:

NOTES:
CHART NOTE: CIRCLING TO RWY 4/22 NA AT NIGHT.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 2.12 DME
DISTANCE VDP TO THLD 1.84 NM
CHART FAS OBST: 1505 TOWER 480806N/0961411W.
FAC CROSSES RWY C/L EXTENDED 3017 FT FROM THLD.
HOLD NW, RT, 117.00 INBOUND

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4

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-13	1740	1	625	1740	1	625	1740	1 3/4	625	1740	2	625			
CIRCLING	1740	1	621	1740	1	621	1820	2	701	1980	2 3/4	861			

CHANGES - REASONS

1. INCORPORATES CHANGES IN AMDT 9A. - P-NOTAM 6/3883.
2. CHANGE PROCEDURE NAME FROM VOR RWY 13 TO VOR Y RWY 13. - DIFFERENTIATE BETWEEN THIS PROCEDURE AND VOR Z RWY 13. (FORMERLY VOR/DME RWY 13.)
3. RAISED CATS C/D CIRCLING FROM 1740-1 3/4 AND 1740-2 TO 1820-2 AND 1980-2 3/4 AND ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA. - NEW CIRCLING CRITERIA FLIGHT CHECKED WITH ILS OR LOC RWY 31 AMDT 5 THIS AIRPORT.
4. MOVED ALL BACKUP ALTIMETER DATA FROM NOTES TO GENERAL REMARKS ON THE 8260-9. - FOR CONTINGENCY PURPOSES.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: EASTERN FPO, ZMP ARTCC, AMGR, ATA

FLIGHT CHECKED BY

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

DEVELOPED BY

LIAM DONAHUE

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

LIAM DONAHUE

Dec 12, 2018

Digitally signed by

DONALD H LANIER

Dec 18, 2018

DONALD H LANIER

Dec 18, 2018

OFFICE

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AJV-5431

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AJV-5431

DATE

DATE

11/16/2018

DATE

TITLE

MANAGER

QUALITY
41
CHECKED