

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 Z RWY 13	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> THIEF RIVER FALLS	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1119	<u>TDZE</u> 1115	<u>SUPERSEDED</u> VOR/DME RWY 13	<u>ORIGINAL/AMENDMENT</u> 2C	<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 THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-07.

<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>
TVF VOR/DME		KATTO/6.00 DME					297.00	6.00	2700
UGACU/TVF VOR/DME 12.00 DME CW	IAF	JITOB/TVF VOR/DME 12.00 DME	NOPT				12.00 DME ARC		2700
JITOB/TVF VOR/DME 12.00 DME	IF	KATTO/6.00 DME	NOPT				117.00	6.00 (TVF R-297)	2700

MISSED APPROACH

MAP:

ZASEG/TVF 0.30 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 THEN RIGHT TURN DIRECT TVF VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW KATTO, RT, 117.00 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 8000.
3. FAC: 117.00 FAF: KATTO/6.00 DME DIST FAF TO MAP: DIST FAF TO THLD:
4. MIN ALT: KATTO/6.00 DME 2700
8. MSA FROM: TVF VOR/DME 2700


EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

QUALITY
41
CHECKED

ADDITIONAL FLIGHT DATA:

CHART TVF R-253 AT UGACU. 
CHART VDP AT 1.50 DME
DISTANCE VDP TO THLD 1.20 NM
CHART FAS OBST: 1254 TREES 480740N/0961540W.
FAC CROSSES RWY C/L EXTENDED 2800 FT FROM THLD.
HOLD NW, RT, 117.00 INBOUND

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

ALTERNATE: NA ☐

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	1520	1	405	1520	1	405	1520	1 1/4	405	1520	1 1/4	405			

CHANGES - REASONS

1. DELETED CIRCLING MINIMUMS. - NPA CANCELATION. (SUPERSEDES AMDTS 2B AND 2C).
2. INCORPORATES AMDT 2A. - P-NOTAM 03/1600.
3. CHANGED PROCEDURE NAME FROM VOR/DME RWY 13 TO VOR Z RWY 13. - FAAO 8260.19H PROCEDURE NAMING CONVENTIONS AND TO DIFFERENTIATE FROM VOR Y RWY 13.
4. DELETED CHART NOTE: CIRCLING TO RWY 3/21 NA. - STRAIGHT - IN ONLY PROCEDURE.
5. ASSIGNED A NAME (JITOB) TO INTERMEDIATE FIX. - FAAO 8260.19H PARAGRAPH 2-10-5.
6. ADDED DME REQUIRED TO EQUIPMENT REQUIREMENTS NOTES - DME REQUIRED.
7. ASSIGNED NAME (ZASEG) TO MAP. - FAAO 8260.19H PARAGRAPH 2-10-5.

02/05/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/18/18.

1. NAMED 12 NM DME ARC IAF UGACU.
2. ADDED CHART TVF R-253 AT UGACU TO ADDITIONAL FLIGHT DATA.

COORDINATED WITH:

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

FLIGHT CHECKED BY

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

DEVELOPED BY
LIAM DONAHUE

Digitally signed by

LIAM DONAHUE

Feb 05, 2019

APPROVED BY
PATRICK MULQUEEN

Digitally signed by

DONALD H LANIER

Feb 08, 2019

OFFICE

OFFICE

AJV-5431

OFFICE

AJV-5430

DATE

DATE

11/16/2018

DATE

TITLE
MANAGER

