

**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> TOMAHAWK RGNL	<u>AIRPORT ID</u> KTKV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> TOMAHAWK	<u>STATE</u> WI	
<u>AIRPORT ELEVATION</u> 1487	<u>TDZE</u> 1482	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 01/31/2019	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<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>
KRSMS		WIMRA		TF	FB	1.00	190.88	19.77	5200
WIMRA	IAF	YELUD		TF	FB	1.00	181.54	5.50	4000
BAITS	IAF	YELUD		TF	FB	1.00	050.22	13.05	4000
YELUD	IF	BUVNE		TF	FB	1.00	091.54	7.00	3100
BUVNE	FAF	ZOGIB/1.80 NM TO RW09		TF	FB	0.30	091.66	3.20	
ZOGIB/1.80 NM TO RW09		RW09	MAP	TF	FO	0.30	091.66	1.80	
RW09	MAP	1887 MSL		CA			091.66		
1887 MSL		JAKLI		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: RW09
LNAV: RW09

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT JAKLI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
44
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. PROFILE STARTS AT YELUD

3. FAC: 091.66

FAF: BUVNE

DIST FAF TO MAP: 5.00

DIST FAF TO THLD: 5.00

4. MIN ALT: YELUD 4000, BUVNE 3100, ZOGIB/1.80 NM TO RW09 2080

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: RW09 4400

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KRSMS ON V217 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAITS ON V78 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

BUVNE TO RW09: 3.00/40.
CHART VDP AT 1.28 NM TO RW09
WAAS CHANNEL #78308
REFERENCE PATH ID: W09A
CHART FAS OBST: 1649 TREE 452752N/0895117W, 1660 TOWER 452746N/0895121W.
HOLD E, RT, 271.95 INBOUND
LTP HAE: 415.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LP MDA	1900	1	418	1900	1	418	1900	1 1/4	418	1900	1 1/4	418			
LNAV MDA	1960	1	478	1960	1	478	1960	1 3/8	478	1960	1 3/8	478			
CIRCLING	1960	1	473	1960	1	473	1960	1 1/2	473	2040	2	553			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTKV
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	452809.6530N
LTP/FTP LONGITUDE	0894848.4790W
LTP/FTP ELLIPSOIDAL HEIGHT	+04156
FPAP LATITUDE	452810.0300N
FPAP LONGITUDE	0894641.8700W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	F35621D0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+04473
FPAP ORTHOMETRIC HEIGHT	+04473

