US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
KRSMS	WIMRA (FB)	190.88 / 19.77	5200
WIMRA (IAF)	YELUD (FB)	181.54 / 5.50	4000
BAITS (IAF)	YELUD (FB)	050.22 / 13.05	4000
YELUD (IF)	BUVNE (FB)	091.54 / 7.00	3100
BUVNE (FAF)	ZOGIB/1.80 NM TO RW09 (FB)	091.66 / 3.20	
ZOGIB/1.80 NM TO RW09	RW09 (MAP) (FO)	091.71 / 1.80	
(SEE FORM 8260-10)			

MISSED APPROACH

LP: RW09
LNAV: RW09

CLIMB TO 4000 DIRECT JAKLI AND HOLD.

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

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 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: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW09 4400

MAG VAR: 2W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1900	1	432	1900	1	432	1900	1 1/4	432	1900	1 1/4	432			
LNAV MDA	1960	1	492	1960	1	492	1960	1 3/8	492	1960	1 3/8	492			
CIRCLING	1960	1	473	1960	1	473	1960	1 1/2	473	2040	2	553			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 27 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 9 PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1487 THRE: 1468	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TOMAHAWK, WI	AIRPORT NAME: TOMAHAWK RGNL	RNAV	RNAV (GPS) RWY 9, AMDT 2A	AMDT: 2
				DATED 05/31/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **APT MGR, ZMP**

FLIGHT CHECKED BY		
NAME: **MARTIN JOSEPH TOWEY**	FIFO **FIOG**	DATE: **03/09/2012**
DEVELOPED BY		
NAME: **STEVEN M. BARNETT (DAVID DANNER)**	FIFO **AJV-353**	DATE: **05/23/2012**
APPROVED BY		
NAME: **LARRY H STROUT**	FIFO **AJV-353**	DATE:

CHANGES:

1. ADDED DME/DME RNP-0.3 NA NOTE.

REASONS:

1. NOTE IS REQUIRED.

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW09 (MAP)	1887 MSL	091.66	
1887 MSL	JAKLI (FO)		4000

NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAITS ON V78 SOUTHWEST BOUND AND ON V177 NORTHWEST BOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RHINELANDER ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LP CAT C AND D VISIBILITY 1/8 MILE AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1487 THRE: 1468	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
TOMAHAWK, WI	AIRPORT NAME: TOMAHAWK RGNL	RNAV	RNAV (GPS) RWY 9, AMDT 2A	AMDT: 2
				DATED: 05/31/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
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

QUALITY CHECKED 1

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAITS K50    C   L N45192448W090194102                      W0020     NAR           BAITS
        SUSAEAENRT   BUVNE K50    W     N45280807W089555474                      W0024     NAR           BUVNE
        SUSAEAENRT   JAKLI K50    W     N45281153W089320890                      W0027     NAR           JAKLI
        SUSAEAENRT   KRSMS K50    C   L N45530703W090013459                      W0024     NAR           KRSMS
        SUSAEAENRT   WIMRA K50    W     N45333503W090055530                      W0023     NAR           WIMRA
        SUSAEAENRT   YELUD K50    W     N45280511W090055153                      W0022     NAR           YELUD
        SUSAEAENRT   ZOGIB K50    W     N45280913W089512194                      W0025     NAR           ZOGIB

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTKVK5ATKV     0     044YHN45280970W089481760W002001487         1800018000C    MNAR    TOMAHAWK RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTKVK5FR09   ABAITS 010BAITSK5EA0E  A    IF                                                18000                A JS
        SUSAP KTKVK5FR09   ABAITS 020YELUDK5EA0EE B 010TF                     05020131    + 04000                                A JS
        SUSAP KTKVK5FR09   AKRSMS 010KRSMSK5EA0E       IF                                                18000                A JS
        SUSAP KTKVK5FR09   AKRSMS 020WIMRAK5EA0E  A 020TF                     19090198    + 05200                                A JS
        SUSAP KTKVK5FR09   AKRSMS 030YELUDK5EA0EE B 010TF                     18150055    + 04000                                A JS
        SUSAP KTKVK5FR09   R      010YELUDK5EA0E  I    IF                                 + 04000     18000                      A JS
        SUSAP KTKVK5FR09   R      020BUVNEK5EA1E  F 051TF                     09150070    + 03100                 RW09  K5PGA JS
        SUSAP KTKVK5FR09   R      020BUVNEK5EA2WALP        N          ALNAV                                                      JS
        SUSAP KTKVK5FR09   R      021ZOGIBK5EA0E S  031TF                     09170032    V 0208002081        -300               A JS
        SUSAP KTKVK5FR09   R      030RW09 K5PG0GY M 031TF                     09170018      01508             -300               A JS
        SUSAP KTKVK5FR09   R      040         0  M     CA                     0917        + 01887                                A JS
        SUSAP KTKVK5FR09   R      050JAKLIK5EA0EY      DF                                 + 04000                                A JS
        SUSAP KTKVK5FR09   R      060JAKLIK5EA0EE  R   HM                     27200040    + 04000                                A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTKVK5GRW09    0044010917 N45280965W089484848+0400    +0415601468000040075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTKVK5PR09   RW09 001 0000W09A0N4528096530W08948484790+041560300N4528100300W089464187001067514080004 00F400000F35621D0
        SUSAP KTKVK5PR09   RW09 002E      +04473+04473LP        78308
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CITY AND STATE	ELEVATION: 1487 THRE: 1468	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMAHAWK, WI	AIRPORT NAME: **TOMAHAWK RGNL**	**RNAV**	**RNAV (GPS) RWY 9, AMDT 2A**	AMDT: **2**
				DATED: **05/31/2012**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTKVK5SRW09 K5PG                0   18018004425                                                                        M
```

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				DATED: 05/31/2012

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☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BAITS	BAITS	010	IAF	IF		FB					
	BAITS	YELUD	020		TF		FB	1.0	050.2(048.2T)	013.1	AA 04000	
	KRSMS	KRSMS	010		IF		FB					
	KRSMS	WIMRA	020	IAF	TF		FB	2.0	190.9(188.9T)	019.8	AA 05200	
	KRSMS	YELUD	030		TF		FB	1.0	181.5(179.5T)	005.5	AA 04000	
		YELUD	010	FACF	IF		FB				AA 04000	
		BUVNE	020	FAF	TF		FB	0.5	091.5(089.5T)	007.0	AA 03100	
		ZOGIB	021	SDF	TF		FB	0.3	091.7(089.7T)	003.2	AA 02080 GS 02081	
		RW09	030	MAP	TF		FO	0.3	091.7(089.7T)	001.8	AT 01508	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		091.7(089.7T)		AA 01887	
	JAKLI	050		DF		FO				AA 04000	
	JAKLI	060		HM	R	FO		272.0(270.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAITS	N451924.48	W0901941.02	N4519.408	W09019.684
	BUVNE	N452808.07	W0895554.74	N4528.135	W08955.912
	JAKLI	N452811.53	W0893208.90	N4528.192	W08932.148
	KRSMS	N455307.03	W0900134.59	N4553.117	W09001.577
	WIMRA	N453335.03	W0900555.30	N4533.584	W09005.922
	YELUD	N452805.11	W0900551.53	N4528.085	W09005.859
	ZOGIB	N452809.13	W0895121.94	N4528.152	W08951.366
	RW09	N452809.65	W0894848.48	N4528.161	W08948.808

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	01468	40

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 1487 THRE: 1468	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TOMAHAWK, WI	AIRPORT NAME: **TOMAHAWK RGNL**	**RNAV**	**RNAV (GPS) RWY 9, AMDT 2A**	AMDT: **2**
				DATED: **05/31/2012**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS: