

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
TESEE	ZERNU (FO)	340.49 / 11.33	3000	LPV: DA LNAV/VNAV: DA LNAV: RW14
ULJAB	ZERNU (FO)	033.19 / 10.91	3100	
OBARE	ZERNU (FO)	295.12 / 16.84	3000	CLIMB TO 3000 DIRECT VOCAB AND HOLD.
AXN VOR/DME (IAF)	ZERNU (NOPT) (FB)	124.71 / 9.05	3000	
ZERNU (IF/IAF)	YIKVU (FB)	147.74 / 5.71	2900	
YIKVU (FAF)	WETUB/2.10 NM TO RW14 (FB)	147.79 / 2.99		
(SEE FORM 8260-10)				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 327.93 INBOUND. CHART FAS OBST: 1430 WATER TWR 454349N/0945729W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.25 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 97636 REFERENCE PATH ID: W14A CHART CIRCLING ICON LTP HAE: 351.5 M

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW ZERNU, RT, 147.74 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 147.79 FAF: YIKVU DIST FAF TO MAP: 5.09 THLD: 5.09
- MIN. ALT: ZERNU 3000, YIKVU 2900, WETUB/2.10 NM TO RW14 1940*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2900 GS ALT AT: YIKVU 2900 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM: RW14 3600

MAG VAR: 3E EPOCH YEAR: 2000

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
LPV DA	1492	1	250	1492	1	250		NA			NA				
LNAV/VNAV DA	1500	1	258	1500	1	258		NA			NA				
LNAV MDA	1680	1	438	1680	1	438		NA			NA				
CIRCLING	1700	1	456	1740	1	496		NA			NA				

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING GLENWOOD ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TESEE ON V171 SOUTHEAST BOUND.
 (SEE FORM 8260-10)

CITY AND STATE SAUK CENTRE, MN	ELEVATION: 1244 TDZE: 1242	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 13 NOVEMBER 2014	SUP:
	AIRPORT NAME: SAUK CENTRE MUNI			AMDT: NONE
				DATED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WETUB/2.10 NM TO RW14	RW14 (MAP) (FO)	147.79 / 2.10	
RW14 (MAP)	1492 MSL	147.79	
1492 MSL	VOCAB (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ULJAB ON V175 SOUTHBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OBARE ON V2 SOUTHEAST BOUND.

*LNAV ONLY

CHART NOTE: VDP NA WITH GLENWOOD ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GLENWOOD ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 MILE.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AXN VOR/DME AIRWAY RADIALS 103 CW 170.

CHART NOTE: NIGHT LANDING: RWY 8, 26 NA.

CITY AND STATE
 SAUK CENTRE, MN

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 RNAV (GPS) RWY 14, ORIG
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	D39
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	454232.4270N
LTP/FTP LONGITUDE	0945611.0385W
LTP/FTP ELLIPSOIDAL HEIGHT	+03515
FPAP LATITUDE	454114.6400N
FPAP LONGITUDE	0945509.0910W
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	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 646655A4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03780
FPAP ORTHOMETRIC HEIGHT	+03780



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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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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
	AXN	AXN	010	IAF	IF		FB					
	AXN	ZERNU	020		TF		FB	1.0	124.7 (127.7T)	009.1	AA 03000	
	OBARE	OBARE	010		IF		FB					
	OBARE	ZERNU	020		TF		FO	2.0	295.1 (298.1T)	016.8	AA 03000	
	OBARE	ZERNU	030	IAF	HF	R	FO		147.7 (150.7T)	004.0	AA 03000	
	TESEE	TESEE	010		IF		FB					
	TESEE	ZERNU	020		TF		FO	2.0	340.5 (343.5T)	011.3	AA 03000	
	TESEE	ZERNU	030	IAF	HF	R	FO		147.7 (150.7T)	004.0	AA 03000	
	ULJAB	ULJAB	010		IF		FB					
	ULJAB	ZERNU	020		TF		FO	2.0	033.2 (036.2T)	010.9	AA 03100	
	ULJAB	ZERNU	030	IAF	HF	R	FO		147.7 (150.7T)	004.0	AA 03000	
		ZERNU	010	FACF	IF		FB				AA 03000	
		YIKVU	020	PAF	TF		FB	0.5	147.7 (150.7T)	005.7	AA 02900	
		WETUB	021	SDF	TF		FB	0.3	147.8 (150.8T)	003.0	AA 01940	GS 01949
		RW14	030	MAP	TF		FO	0.3	147.8 (150.8T)	002.1	AT 01280	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		147.8 (150.8T)		AA 01492	
	VOCAB	050		DF		FO				AA 03000	
	VOCAB	060		HM	R	FO		327.9 (330.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXN	N455730.20	W0951357.49	N4557.503	W09513.958
	OBARE	N454403.59	W0944227.50	N4544.060	W09442.458
	TESEE	N454106.27	W0945906.48	N4541.105	W09459.108
	ULJAB	N454310.29	W0951255.94	N4543.172	W09512.932
	VOCAB	N453238.00	W0944819.15	N4532.633	W09448.319
	WETUB	N454422.41	W0945738.72	N4544.374	W09457.645
	YIKVU	N454658.78	W0945943.58	N4546.980	W09459.726
	ZERNU	N455157.86	W0950343.01	N4551.964	W09503.717
	RW14	N454232.43	W0945611.04	N4542.541	W09456.184

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	01240	40



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