

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 ID</u> D39	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> SAUK CENTRE	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1242	<u>TDZE</u> 1242	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>DATED</u> 08/10/2023	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 MAY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2000
			<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ARMUW		VOCAB		TF	FO	1.00	066.78	17.56	3000
TLBAT	IAF	WINIV	NOPT	TF	FB	1.00	261.67	11.00	3300
WINIV		VOCAB		TF	FB	1.00	261.47	8.67	3000
VOCAB	IF/IAF	BANVY		TF	FB	1.00	327.93	6.03	2800
BANVY	FAF	IYACA/1.80 NM TO RW32		TF	FB	0.30	327.88	2.97	
IYACA/1.80 NM TO RW32		RW32	MAP	TF	FO	0.30	327.88	1.80	
RW32	MAP	1492 MSL		CA			327.88		
1492 MSL		ZERNU		DF	FO	1.00			3000

MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3000 DIRECT ZERNU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD SE VOCAB, RT, 327.93 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 327.88

FAF: BANVY

DIST FAF TO MAP: 4.77

DIST FAF TO THLD: 4.77
4. MIN ALT: VOCAB 3000, BANVY 2800, IYACA/1.80 NM TO RW32 1840
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.66

GS ANT:
6. MIN GP INCPT: 2800

GP ALT AT PFAF: BANVY 2800

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 40.0
8. MSA FROM: RW32 3600



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 8 AND 26.
CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TLBAT ON V2 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARMUW ON V175 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART MINNEAPOLIS CENTER FREQUENCY.

HOLD NW, RT, 147.74 INBOUND.
CHART FAS OBST: 1380 TRANSMISSION_LINE (27-025859) 454101N/0945433W.
1539 AAO 453828N/0945251W.
WAAS CHANNEL # 56622
REFERENCE PATH ID: W32A
CHART CIRCLING ICON.
LTP HAE: 351.4 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
LPV DA	1492	1	250	1492	1	250		NA			NA				
LNAV/VNAV DA	1693	1 3/8	451	1693	1 3/8	451		NA			NA				
LNAV MDA	1680	1	438	1680	1	438		NA			NA				
CIRCLING	1700	1	458	1740	1	498		NA			NA				

CHANGES - REASONS

- 1. INCORPORATED CHANGES FROM P-NOTAM FOR AMDT 1C INTO FORM - 8260.19I, 8-3-4.C (3).
- 2. TERMINAL ROUTES: REMOVED "DWN VORTAC TO VOCAB" - DWN VOR MON.
- 3. NOTES: REMOVED "PROCEDURE NA FOR ARRIVAL ON DWN VORTAC AIRWAY RADIALS 261 CW 321" - DWN VOR MON, INITIAL SEGMENT REMOVED FROM APPROACH.
- 4. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS DATA FROM "1380 TRANSMISSION_LINE 454101N/0945433W" TO "1380 TRANSMISSION_LINE (27-025859) 454101N/0945433W" - IAW 8260.19I 8-6-10C.



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZMP, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by
CASIMIR L TABAKA
Mar 22, 2024

DATE

DEVELOPED BY

DAVID DANNER (MATTHEW W.TOWNSEND)

Digitally signed by
CASIMIR L TABAKA
Mar 22, 2024

OFFICE

AJV-A421

DATE

10/17/2023

APPROVED BY

DAVID DANNER

Digitally signed by
CASIMIR L TABAKA
Mar 22, 2024

OFFICE

AJV-A421

DATE

05/16/2024

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
D39
RW32
0
0
W32A
454204.0190N
0945548.4060W
+03514
454321.8045N
0945650.3725W
00040.0
F
03.00
106.75
1744
40.0
50.0

CRC REMAINDER

A3526668

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K3
+03780
+03780

