

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> KRST	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> 3E	<u>CITY</u> ROCHESTER	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1317	<u>TDZE</u> 1317	<u>SUPERSEDED</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 3D	<u>DATED</u> 09/08/2022	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<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>
EMORE		OMAXE		TF	FB	1.00	258.99	13.40	3600
OMAXE	IAF	NIDLE	NOPT	TF	FB	1.00	297.47	7.10	3600
ZADLA	IAF	NIDLE	NOPT	TF	FB	1.00	117.25	8.50	3600
NIDLE	IF/IAF	LERPE		TF	FB	1.00	027.37	7.14	3000
LERPE	FAF	JORTU/1.80 NM TO RW03		TF	FB	0.30	027.42	3.35	
JORTU/1.80 NM TO RW03		RW03	MAP	TF	FO	0.30	027.42	1.80	
RW03	MAP	1567 MSL		CA			027.42		
1567 MSL		BOCAG		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW03

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 DIRECT BOCAG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4800.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SW NIDLE, RT, 027.37 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 027.42FAF: LERPEDIST FAF TO MAP: 5.15DIST FAF TO THLD: 5.15

4. MIN ALT: NIDLE 3600, LERPE 3000, JORTU/1.80 NM TO RW03 1920

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.64GS ANT:

6. MIN GP INCPT: 3000GP ALT AT PFAF : LERPE 3000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 46.5

8. MSA FROM: RW03 3900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -28°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 207.57 INBOUND.
CHART FAS OBST: 1409 TREE 435306N/0923100W.
1559 AAO 434924N/0923436W.
CHART VDP AT 0.93 NM TO RW03.
WAAS CHANNEL # 69621
REFERENCE PATH ID: W03A
CHART CIRCLING ICON.
LTP HAE: 370.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	1567	1	250	1567	1	250	1567	1	250	1567	1	250			
LNAV/VNAV DA	1592	1	275	1592	1	275	1592	1	275	1592	1	275			
LNAV MDA	1660	1	343	1660	1	343	1660	1	343	1660	1	343			
CIRCLING	1720	1	403	1780	1	463	1900	1 1/2	583	1900	2	583			



CHANGES - REASONS

1. PROCEDURE NAME: UPDATED RWY FROM 2 TO 3 - AIRPORT RENUMBERING RWY DUE TO PREVIOUS MAGVAR UPDATE.
2. ALL RWY REFERENCES FROM RW02 TO RW03 - AIRPORT RENUMBERING RWY DUE TO PREVIOUS MAGVAR UPDATE.
3. FAS DATA: REFERENCE PATH IDENTIFIER (APPROACH ID) CHANGED FROM W02A TO W03A - RWY NUMBERING UPDATED.
4. FAS DATA: CRC UPDATED FROM B10897EC TO 02CA7869 - RWY NUMBERING AND APPROACH ID UPDATED.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** RST APP CON, RST ATCT, APT MGR, ZMP

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

DEVELOPED BY

PATRICK COMBS

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Feb 06, 2023

Digitally signed by

PATRICK W COMBS

Dec 07, 2022

Digitally signed by

ALLAN WILL

Feb 06, 2023

OFFICE

FPO

OFFICE

AJV-A423

OFFICE

AJV-A420

DATE

02/02/2023

DATE

12/08/2022

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRST
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	435341.7420N
LTP/FTP LONGITUDE	0923024.9370W
LTP/FTP ELLIPSOIDAL HEIGHT	+03707
FPAP LATITUDE	435501.5100N
FPAP LONGITUDE	0922930.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00046.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	02CA7869

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04007
FPAP ORTHOMETRIC HEIGHT	+04007

