

**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> 4E7	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> ELLENDALE	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 1457	<u>TDZE</u> 1457	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 7E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 9 SEPTEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 224/30 CW 044/30	NOPT	224/10 CW 044/10		3500
2. 224/10 CW 044/10		WAFTS	IAF	3000
3. 044/30 CW 224/30		044/10 CW 224/10		3700
4. 044/10 CW 224/10		WAFTS	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WAFTS	IF/IAF	YURUY		TF	FB	1.00	314.42	7.00	3000
YURUY	FAF	RW31	MAP	TF	FO	0.30	314.34	4.72	
RW31	MAP	1808 MSL		CA			314.34		1808
1808 MSL		SOTHA		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT SOTHA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

CHANGES - REASONS

1. INCREASED CIRCLING CAT C MDA/VIS FROM 2060/1 3/4 TO 2140/2 - NEW CONTROLLING OBSTACLE
2. DELETED NOTE: DME/DME RNP 0.3 NA - IAW 8260.19H PARA 1-1-5.F.(14)
3. CHARTED PRN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H PARA 8-6-8.B.(1)
4. ADDED MAX HOLDING 6000 TO LINE 2 OF PROFILE - IAW 8260.19I PARA 8-6-7.B.(2)

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAL** ☐ **NBAA** ☒ **OTHER:** ZMP, GFK APP/CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020
FLIGHT INSPECTION REVIEW NOT REQUIRED.

DEVELOPED BY

CHRISTOPHER MCCARTHY

Digitally signed by

JASON KRETSCHMER

Jul 20, 2021

Digitally signed by

JASON KRETSCHMER

Jul 20, 2021

OFFICE

Digitally signed by

JASON KRETSCHMER

Jul 20, 2021

OFFICE

AJV-A422

DATE

DATE
08/27/2020

OFFICE

AJV-A420

DATE

TITLE
MANAGER

APPROVED BY

MARLON ROBINSON

AIRPORT ID
4E7

PROCEDURE NAME
RNAV (GPS) RWY 31

ORIGINAL/AMENDMENT
ORIG-A

CITY
ELLENDALE

STATE
ND

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4E7
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	460047.9190N
LTP/FTP LONGITUDE	0983036.9490W
LTP/FTP ELLIPSOIDAL HEIGHT	+04194
FPAP LATITUDE	460157.4180N
FPAP LONGITUDE	0983156.9275W
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	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	3C6D1EDC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04438
FPAP ORTHOMETRIC HEIGHT	+04438

