

**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.

AIRPORT ID 97M	PROCEDURE NAME RNAV (GPS) RWY 31	ORIGINAL/AMENDMENT ORIG	CITY EKALAKA	STATE MT
AIRPORT ELEVATION 3505	TDZE 3505	SUPERSEDED	ORIGINAL/AMENDMENT NONE	DATED
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 2 OCTOBER 2025	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 8E
				EPOCH YEAR 2025
				CANCEL/SUSPEND

TERMINAL ROUTES

THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 25-20.

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CISPU		POTTA		TF	FB	1.00	086.46	56.66	8000
HITOS		POTTA		TF	FB	1.00	030.30	76.50	8000
DIK VORTAC		HAFNE		TF	FB	1.00	215.99	83.21	8000
POTTA	IAF	DUWOP	NOPT	TF	FB	1.00	040.49	7.00	7000
HAFNE	IAF	DUWOP	NOPT	TF	FB	1.00	220.73	11.25	7000
DUWOP	IF/IAF	HALIX		TF	FB	1.00	310.58	6.25	5300
HALIX	FAF	CLADE/3.38 NM TO RW31		TF	FB	0.30	310.51	1.77	
CLADE/3.38 NM TO RW31		RW31	MAP	TF	FO	0.30	310.51	3.38	
RW31	MAP	3900 MSL		CA			310.51		
3900 MSL		ELTRO		DF	FO	1.00			7000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 7000 DIRECT ELTRO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD SE DUWOP, RT, 310.58 INBOUND, 7000 FT. IN LIEU OF PT (IAF), MAX 14000.
- 3. **FAC:** 310.51 **FAF:** HALIX **DIST FAF TO MAP:** 5.15 **DIST FAF TO THLD:** 5.15
- 4. **MIN ALT:** DUWOP 7000, HALIX 5300, CLADE/3.38 NM TO RW31 4700
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **395 HAT:** 1.03 **GS ANT:**
- 6. **MIN GP INCPT:** 5300 **GP ALT AT PFAF:** HALIX 5300 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.20 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 45.0
- 8. **MSA FROM:** RW31 5400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: BARO-VNAV NA.
 CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: USE BHK ALTIMETER SETTING; WHEN NOT RECEIVED, USE BWW ALTIMETER SETTING AND INCREASE LPV DA TO 3960 FEET AND ALL VISIBILITIES 1/4 SM, INCREASE LNAV/VNAV DA TO 4460 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT B/C/D 1/2 SM.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DIK VORTAC AIRWAY RADIALS 169 CW 265
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HITOS ON V254 SOUTH BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CISPU ON V254 SOUTH BOUND.

ADDITIONAL FLIGHT DATA:



CHART BHK ASOS
 HOLD NW, RT, 130.31 INBOUND.
 CHART FAS OBST: 3992 TREE (30-083103) 455152N/1043013W.
 WAAS CHANNEL # 82047
 REFERENCE PATH ID: W31A
 LTP HAE: 1052.3 M

MINIMUMS:

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

ALTERNATE: NA

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	3900	1 1/8	395	3900	1 1/8	395	3900	1 1/8	395	3900	1 1/8	395				
LNAV/VNAV DA	4400	2 1/2	895	4400	2 1/2	895	4400	2 1/2	895	4400	2 1/2	895				
LNAV MDA	4400	1 1/4	895	4400	1 1/2	895	4400	3	895	4400	3	895				

CHANGES - REASONS

07/31/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/102025.
 ADDITIONAL FLIGHT DATA: DELETED NOTE BWW AWOS-3PT.



AIRPORT ID
97M

PROCEDURE NAME
RNAV (GPS) RWY 31

ORIGINAL/AMENDMENT
ORIG

CITY
EKALAKA

STATE
MT

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZLC, BIG SKY APP CON, GREAT FALLS FSS, AMGR

FLIGHT CHECKED BY

HANNAH WIESNESKI

Digitally signed by
CASIMIR L TABAKA
Jul 10, 2025

OFFICE

AJF

DATE

05/20/2025

DEVELOPED BY

JOSEPH BLANCO

Digitally signed by
JOSEPH A BLANCO
Mar 04, 2025

OFFICE

AJV-A432

DATE

12/02/2024

APPROVED BY

BEV L BORDY

Digitally signed by
CASIMIR L TABAKA
Jul 10, 2025

OFFICE

AJV-A430

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	97M
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	455221.3220N
LTP/FTP LONGITUDE	1043157.4595W
LTP/FTP ELLIPSOIDAL HEIGHT	+10523
FPAP LATITUDE	455327.9780N
FPAP LONGITUDE	1043322.0650W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1592
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

D06A2A13

ADDITIONAL PATH POINT RECORD INFORMATION

<u>ICAO CODE</u>	K1
<u>LTP ORTHOMETRIC HEIGHT</u>	+10683
<u>FPAP ORTHOMETRIC HEIGHT</u>	+10683

