

**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</u> MINOT INTL	<u>AIRPORT ID</u> KMOT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> MINOT	<u>STATE</u> ND	
<u>AIRPORT ELEVATION</u> 1716	<u>TDZE</u> 1679	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 10/10/2019	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<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>
ORMIE		JUDIN		TF	FB	1.00	179.42	5.34	3600
JUDIN	IAF	HEKTA	NOPT	TF	FB	1.00	222.62	5.00	3600
HIDEL	IAF	HEKTA	NOPT	TF	FB	1.00	042.42	6.40	3600
HEKTA	IF/IAF	FONAD		TF	FB	1.00	312.55	6.76	3400
FONAD	FAF	RW31	MAP	TF	FO	0.30	312.47	5.24	
RW31	MAP	1929 MSL		CA			312.47		
1929 MSL		DOYAB		DF	FO	1.00			4500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4500 DIRECT DOYAB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
24
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE HEKTA, LT, 312.55 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 312.47 FAF: FONAD DIST FAF TO MAP: 5.24 DIST FAF TO THLD: 5.24
4. MIN ALT: HEKTA 3600, FONAD 3400
5. DIST TO THLD FROM PFAF: 5.24 MM: IM: 150 HAT: 250 HAT: 0.68 GS ANT: MM: IM:
6. MIN GP INCPT: 3400 GP ALT AT FAF : FONAD 3400 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 48.9
8. MSA FROM: RW31 4200

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV VISIBILITY TO RVR 4500.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ORMIE ON V430 EAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HIDEL ON V15 SOUTH BOUND.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 0.92 NM TO RW31*
*LNAV ONLY
WAAS CHANNEL #66099
REFERENCE PATH ID: W31A
CHART FAS OBST: 1748 TANK 481336N/1011458W.
HOLD NW, RT, 132.22 INBOUND
LTP HAE: 484.7 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	1929	2400	250	1929	2400	250	1929	2400	250	1929	2400	250			
LNAV/VNAV DA	1966	2400	287	1966	2400	287	1966	2400	287	1966	4000	287			
LNAV MDA	2000	2400	321	2000	2400	321	2000	2600	321	2000	5000	321			
CIRCLING	2200	1	484	2200	1	484	2280	1 1/2	564	2280	2	564			

CHANGES - REASONS

1. CRC CHANGED FROM E15F678C TO 5568771A - CORRECTED FPAF LAT/LONG FROM 481602.6600N/1011732.4540W TO 481604.6600N/1011732.4540W



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, KMIB APP CON, KMOT ATCT, AMGR

FLIGHT CHECKED BY

EDWARD W MESA

Digitally signed by

DAVID DANNER

OFFICE

FICO

DATE

11/19/19

DEVELOPED BY

ROSE BOONE

Digitally signed by

ROSE BOONE

Nov 04, 2019

OFFICE

AJV-A421

DATE

09/25/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

DAVID DANNER

Nov 25, 2019

OFFICE

AJV-5420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMOT
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	481458.0875N
LTP/FTP LONGITUDE	1011603.9065W
LTP/FTP ELLIPSOIDAL HEIGHT	+04847
FPAP LATITUDE	481604.6600N
FPAP LONGITUDE	1011732.4540W
THRESHOLD CROSSING HEIGHT (TCH)	00048.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0400
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5568771A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05051
FPAP ORTHOMETRIC HEIGHT	+05051

