

**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 13	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> MINOT	<u>STATE</u> ND	
<u>AIRPORT ELEVATION</u> 1716	<u>TDZE</u> 1702	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 05/06/2010	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<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		CONEI		TF	FB	1.00	316.33	20.88	4500
WELOG		CIGEN		TF	FB	1.00	020.13	7.05	4500
CONEI	IAF	DOYAB	NOPT	TF	FB	1.00	230.78	10.35	4500
CIGEN	IAF	DOYAB	NOPT	TF	FB	1.00	042.45	5.00	4500
DOYAB	IF/IAF	OROB		TF	FB	1.00	132.22	7.63	3400
OROB	FAF	RW13	MAP	TF	FO	0.30	132.32	5.10	
RW13	MAP	2021 MSL		CA			132.32		
2021 MSL		HEKTA		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT HEKTA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW DOYAB, RT, 132.22 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 132.32      FAF: OROBE      DIST FAF TO MAP: 5.10      DIST FAF TO THLD: 5.10

4. MIN ALT: DOYAB 4500, OROBE 3400

5. DIST TO THLD FROM PFAF: 5.10      MM:      IM:      150 HAT:      319 HAT: 0.85      GS ANT:

6. MIN GP INCPT: 3400      GP ALT AT FAF : OROBE 3400      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS CLEAR      20:1: IS CLEAR      TCH: 48.8

8. MSA FROM: RW13 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ORMIE ON V430 EASTBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WELOG ON V430 WESTBOUND.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.22 NM TO RW13\*  
\*LNAV ONLY  
WAAS CHANNEL #70399  
REFERENCE PATH ID: W13A  
CHART FAS OBST: 1879 100' TREE 481741N/1012053W.  
HOLD SE, LT, 312.55 INBOUND  
LTP HAE: 498.3 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	2021	1	319	2021	1	319	2021	1	319	2021	1	319			
LNAV/VNAV DA	2181	1 3/4	479	2181	1 3/4	479	2181	1 3/4	479	2181	1 3/4	479			
LNAV MDA	2140	1	438	2140	1	438	2140	1 1/4	438	2140	1 1/2	438			
CIRCLING	2200	1	484	2200	1	484	2280	1 1/2	564	2280	2	564			



**CHANGES - REASONS**

1. MOVED BACK UP ALTIMETER NOTES TO BACK OF 8260-9 - NO LONGER REQUIRED, AIRPORT ON WMSCR
2. ALL COURSES CHANGED 4 DEGREES - AIRPORT MAGVAR CHANGED FROM 6E TO 10E
3. REPLACED NOTE "DME/DME RNP-0.3 NA" WITH PBN REQUIREMENTS NOTE: RNP APCH
4. CHANGED NOTE BARO-VNAV NA BELOW -18C (0F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 54C - IAW 8260.19H PARA 8-6-9S
5. ADDED MAX ALTITUDE TO H-I-L - H-I-L NOW REQUIRED A MAX ALTITUDE PER 8260.19H DOCUMENTATION REQUIREMENTS
6. CRC CHANGED FROM 39E9731A TO BC98D952 - NEW SUREVEY DATA CHANGED THE ELLIPSOIDAL HEIGHT

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

*Digitally signed by*

**DAVID DANNER**

**OFFICE**

**DATE**

PAUL R ARMSTRONG

Aug 27, 2019

FICO

8/20/19

**DEVELOPED BY**

*Digitally signed by*

**ROSE BOONE**

**OFFICE**

**DATE**

ROSE BOONE

May 29, 2019

AJV-A421

04/24/2019

**APPROVED BY**

*Digitally signed by*

**DAVID DANNER**

**OFFICE**

**DATE**

**TITLE**

MARLON ROBINSON

Aug 27, 2019

AJV-5420

MANAGER



**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMOT
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	481554.8990N
LTP/FTP LONGITUDE	1011719.4615W
LTP/FTP ELLIPSOIDAL HEIGHT	+04983
FPAP LATITUDE	481448.3255N
FPAP LONGITUDE	1011550.9215W
THRESHOLD CROSSING HEIGHT (TCH)	00048.8
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	BC98D952

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05187
FPAP ORTHOMETRIC HEIGHT	+05187

