

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> D09	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> BOTTINEAU	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 1680	<u>TDZE</u> 1679	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 JUNE 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 037/30 CW 217/30	NOPT	HAMAM	IF/IAF	4100
2. 217/30 CW 037/30		HAMAM	IF/IAF	4100

**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>
MOT VOR/DME		HAMAM		TF	FO	1.00	023.42	50.02	4100
HAMAM	IF/IAF	DAYNL		TF	FB	1.00	126.95	5.00	3800
DAYNL	FAF	PAZAZ/2.77 NM TO RW13		TF	FB	0.30	127.02	3.77	
PAZAZ/2.77 NM TO RW13		RW13	MAP	TF	FO	0.30	127.02	2.77	
RW13	MAP	3000 MSL		CA			127.02		3000
3000 MSL		HAMAM		DF	FO	1.00			4100

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV: RW13

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 4100 DIRECT HAMAM AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



AIRPORT ID  
D09

PROCEDURE NAME  
RNAV (GPS) RWY 13

ORIGINAL/AMENDMENT  
ORIG

CITY  
BOTTINEAU

STATE  
ND

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, MOT APP CON, AMGR

FLIGHT CHECKED BY  
MICHAEL A GREENWOOD

*Digitally signed by*  
**DAVID DANNER**

Apr 29, 2024

OFFICE  
FPO

DATE  
04/24/2024

DEVELOPED BY  
JASON KRETSCHMER (CHRISTOPHER MENDENHALL)

*Digitally signed by*  
**JASON KRETSCHMER**  
Feb 15, 2023

OFFICE  
AJV-A421

DATE  
02/01/2023

APPROVED BY  
MARLON ROBINSON

*Digitally signed by*  
**JASON KRETSCHMER**  
Feb 15, 2023

OFFICE  
AJV-A420

DATE

TITLE  
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	D09
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	485000.2890N
LTP/FTP LONGITUDE	1002517.9975W
LTP/FTP ELLIPSOIDAL HEIGHT	+04904
FPAP LATITUDE	484857.2005N
FPAP LONGITUDE	1002342.8585W
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	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	686CCA12

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05118
FPAP ORTHOMETRIC HEIGHT	+05118