

**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> KXWA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> WILLISTON	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 2356	<u>TDZE</u> 2356	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 21-11.

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 314/30 CW 134/30	NOPT	PACIL	IF/IAF	4300
2. 134/30 CW 314/30		PACIL	IF/IAF	4300

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PACIL	IF/IAF	MABBI		TF	FB	1.00	044.14	9.01	3700
MABBI	FAF	BALYN/2.10 NM TO RW04		TF	FB	0.30	044.27	1.99	
BALYN/2.10 NM TO RW04		RW04	MAP	TF	FO	0.30	044.27	2.10	
RW04	MAP	2556 MSL		CA			044.27		
2556 MSL		QASSY		DF	FO	1.00			4300

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4300 DIRECT QASSY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SW PACIL, RT, 044.14 INBOUND, 4300 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 044.27FAF: MABBI

DIST FAF TO MAP: 4.09

DIST FAF TO THLD: 4.09

4. MIN ALT: PACIL 4300, MABBI 3700, BALYN/2.10 NM TO RW4 3060*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.50GS ANT:

6. MIN GP INCPT: 3700GP ALT AT FAF : MABBI 3700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

PBN APCH-GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
HOLD NE, RT, 224.54 INBOUND.
CHART FAS OBST: 2400 POLE (38-029001) 481513N/1034503W.
CHART VDP AT 0.83 NM TO RW04*.
WAAS CHANNEL # 49243
REFERENCE PATH ID: W04A
LTP HAE: 698.9 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	2556	1	200	2556	1	200	2556	1	200	2556	1	200			
LNAV/VNAV DA	2606	1	250	2606	1	250	2606	1	250	2606	1	250			
LNAV MDA	2660	1	304	2660	1	304	2660	1	304	2660	1	304			
CIRCLING	2760	1	404	2820	1	464	2820	1 1/2	464	2920	2	564			



CHANGES - REASONS

ORIGINAL PROCEDURE.

CONCURRENT EFFECTIVE WITH AIRSPACE DOCKET: 17-AGL-3.

4/20/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON: 3/24/2021:

1. CHANGED REFERENCE PATH IDENTIFIER FROM W04R TO W04A.

2. CHANGED CRC REMAINDER FROM: C89482F3 TO: 528CBFF9.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☒ **NBAA** ☒ **OTHER:** ZLC, ZMP, ARPT MGR

FLIGHT CHECKED BY

SHAWN DOUGLAS MAXWELL

Digitally signed by

JON DENTON

Apr 21, 2021

Digitally signed by

JON DENTON

Apr 21, 2021

OFFICE

FIOG

DATE

03/22/2021

DEVELOPED BY

JON DENTON (THERON CYRUS)

Digitally signed by

JON DENTON

Apr 21, 2021

OFFICE

AJV-A432

DATE

01/13/2021

APPROVED BY

LONNIE EVERHART

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	KXWA
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	481515.1720N
LTP/FTP LONGITUDE	1034524.8000W
LTP/FTP ELLIPSOIDAL HEIGHT	+06989
FPAP LATITUDE	481609.5655N
FPAP LONGITUDE	1034339.2260W
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	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	528CBFF9
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07181
FPAP ORTHOMETRIC HEIGHT	+07181