

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> WILLISTON BASIN INTL	<u>AIRPORT ID</u> KXWA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> WILLISTON	<u>STATE</u> ND	
<u>AIRPORT ELEVATION</u> 2353	<u>TDZE</u> 2350	<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SUPERSEDED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> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> 10/10/2019	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 230/30 CW 050/30	NOPT	VUYUC	IF/IAF	4300
2. 050/30 CW 230/30	PT	VUYUC	IAF	4300

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>
VUYUC	IF/IAF	FAVPA		TF	FB	1.00	319.84	6.10	3700
FAVPA	FAF	RW32	MAP	TF	FB	0.30	319.78	4.08	
RW32	MAP	2550 MSL		CA			319.78		
MSL		JOSVA		DF	FO	1.00			4300

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4300 DIRECT JOSVA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE VUYUC, RT, 319.84 INBOUND, 4300 FT. IN LIEU OF PT (IF/IAF), MAX 6000.

3. FAC: 319.78FAF: FAVPADIST FAF TO MAP: 4.08DIST FAF TO THLD: 4.08

4. MIN ALT: VUYUC 4300, FAVPA 3700

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.47GS ANT:

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

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 50.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 0.88 NM TO RW32*
*LNAV ONLY
WAAS CHANNEL #78043
REFERENCE PATH ID: W32A
CHART FAS OBST: 2420 TREE 481507N/1034454W.
HOLD NW, RT, 139.63 INBOUND
LTP HAE: 698 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	2550	1/2	200	2550	1/2	200	2550	1/2	200	2550	1/2	200			
LNAV/VNAV DA	2600	1/2	250	2600	1/2	250	2600	1/2	250	2600	1/2	250			
LNAV MDA	2680	1/2	330	2680	1/2	330	2680	1/2	330	2680	1/2	330			
CIRCLING	2760	1	407	2820	1	467	2820	1 1/2	467	2920	2	567			

CHANGES - REASONS



COORDINATED WITH:

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

FLIGHT CHECKED BY

PENDING

Digitally signed by

DONALD H LANIER

May 23, 2019

OFFICE

FICO

DATE

DEVELOPED BY

KELLY DEAN

Digitally signed by

KELLY D DEAN

May 17, 2019

OFFICE

AJV-A431

DATE

04/09/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

May 23, 2019

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	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	481507.8235N
LTP/FTP LONGITUDE	1034434.5265W
LTP/FTP ELLIPSOIDAL HEIGHT	+06980
FPAP LATITUDE	481623.1155N
FPAP LONGITUDE	1034545.7110W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0464
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	5E9299C4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+07163
FPAP ORTHOMETRIC HEIGHT	+07163

