

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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> ILS OR LOC 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SUPERSEDED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>FACILITY</u> I-XWA	<u>COORDINATES OF FACILITIES</u> 481618.84N / 1034541.67W	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> 10/10/2019	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
ISN VOR/DME		VUYUC/I-XWA 11.59 DME					138.51	10.41	4300
WAULS/ISN 15.00 DME	IAF	VUYUC/I-XWA 11.59 DME					005.00 & 319.74	2.70 (HDG) & 2.59 (I-XWA)	4300
VUYUC/I-XWA 11.59 DME	IF	FAVPA/I-XWA 5.49 DME					319.74	6.10 (I-XWA)	3700

MISSED APPROACH

MAP:

ILS: DA
 LOC: I-XWA 1.41 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 THEN CLIMBING LEFT TURN TO 4300 DIRECT ISN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4300.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- HOLD SE VUYUC, RT, 319.74 INBOUND, 4300 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
- FAC:** 319.74 **FAF:** FAVPA/I-XWA 5.49 DME **DIST FAF TO MAP:** 4.08 **DIST FAF TO THLD:** 4.08
- MIN ALT:** VUYUC/I-XWA 11.59 DME 4300, FAVPA/I-XWA 5.49 DME 3700
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1070
- MIN GS INCPT:** 3700 **GS ALT AT FAF :** FAVPA/I-XWA 5.49 DME 3700 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 50.0
- MSA FROM:** ISN VOR/DME 4300

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.



NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ISN VOR/DME AIRWAY RADIALS 112 CW 192.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 32 CAT C/D VISIBILITY TO 7/8 SM.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW AT VUYUC: ISN 10.41 DME
CHART CIRCLING ICON.
CHART VDP AT 2.22 DME*
DISTANCE VDP TO THLD 0.81 NM
* LOC ONLY
FAS OBST: 2410 AAO 481221N/1034149W.
HOLD NW, RT, 125.00 INBOUND

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

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
S-ILS 32	2550	1/2	200	2550	1/2	200	2550	1/2	200	2550	1/2	200			
S-LOC 32	2660	1/2	310	2660	1/2	310	2660	1/2	310	2660	1/2	310			
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, ARPT MGR

FLIGHT CHECKED BY
PENDING

Digitally signed by
DONALD H LANIER
May 23, 2019

OFFICE
FICO

DATE

DEVELOPED BY
KELLY DEAN

Digitally signed by
DONALD H LANIER
May 23, 2019

OFFICE
AJV-A431

DATE
04/10/2019

APPROVED BY
LONNIE EVERHART

Digitally signed by
DONALD H LANIER
May 23, 2019

OFFICE
AJV-A430

DATE

TITLE
MANAGER

