

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> SLOULIN FLD INTL	<u>AIRPORT ID</u> KISN	<u>PROCEDURE NAME</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 4B	<u>CITY</u> WILLISTON	<u>STATE</u> ND	
<u>AIRPORT ELEVATION</u> 1982	<u>TDZE</u> 1930	<u>SUPERSEDED</u> ILS OR LOC RWY 29	<u>ORIGINAL/AMENDMENT</u> 4A	<u>DATED</u> 12/07/2017	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-SFW	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
ISN VOR/DME		YURCU/ISN 12.57 DME					117.96	12.57	4000
OFEGY/ISN 20.00 DME CCW	IAF	KULJI/ISN 20.00 DME	NOPT				20.00 DME ARC (ISN LR-122)		4100
UNCUP/ISN 20.00 DME CW	IAF	KULJI/ISN 20.00 DME	NOPT				20.00 DME ARC (ISN LR-110)		4100
KULJI/ISN 20.00 DME	IF	YURCU/ISN 12.57 DME					295.21	7.46 (I-SFW)	3900

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.88 NM AFTER YURCU OR AT ISN 6.74 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ISN VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L **SIDE OF COURSE** 115.21 **OUTBOUND** 4000 **FT WITHIN** 10 **MILES OF** YURCU/ISN 12.57 DME (IAF)

2.

3. **FAC:** 295.21 **FAF:** YURCU/ISN 12.57 DME **DIST FAF TO MAP:** 5.88 **DIST FAF TO THLD:** 5.88

4. **MIN ALT:** YURCU/ISN 12.57 DME 3900

5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 800

6. **MIN GS INCPT:** 3900 **GS ALT AT FAF :** YURCU/ISN 12.57 DME **OM:** 3850 **MM:** **IM:**

7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 51.8

8. **MSA FROM:** ISN VOR/DME 4300

EQUIPMENT REQUIREMENTS NOTES:



DME REQUIRED FOR PROCEDURE ENTRY.
DME REQUIRED.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SIDNEY ALTIMETER SETTING: INCREASE DA TO 2215 FEET; INCREASE ALL MDA'S 100 FEET AND VISIBILITY CATS C AND D 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 29 CATS C AND D VISIBILITY TO 1 3/8.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING SIDNEY ALTIMETER SETTING, INCREASE S-ILS 29 ALL CATS VISIBILITY TO 7/8.
CHART NOTE: DME FROM ISN VOR/DME. SIMULTANEOUS RECEPTION OF I-SFW AND ISN DME REQUIRED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ISN VOR/DME AIRWAY RADIALS 077 CW 142.

ADDITIONAL FLIGHT DATA:

CHART ISN R-251 AT OFEGY.
CHART ISN R-077 AT UNCUP.
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 29	2130	1/2	200	2130	1/2	200	2130	1/2	200	2130	1/2	200			
S-LOC 29	2420	1/2	490	2420	1/2	490	2420	1	490	2420	1	490			
CIRCLING	2560	1	578	2580	1	598	2600	1 3/4	618	2620	2	638			

CHANGES - REASONS

- 1. REMOVED CHART NOTE "OM IN HALF-TONE" - YUCON OM DECOMMISSIONED.
- 2. MOVED "DME REQUIRED" FROM CHART NOTES TO EQUIPMENT REQUIREMENT NOTES - IAW 8260.19H, CHAPTER 8.
- 3. ADDED DME REQUIRED FOR PROCEDURE ENTRY TO EQUIPMENT NOTES - REPLACES PLANVIEW NOTE.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZLC ARTCC, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

Digitally signed by
ROBERT G HAMILTON
Aug 21, 2018

FLIGHT INSPECTION REVIEW NOT REQUIRED – PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017

DEVELOPED BY

LONNIE EVERHART (DALE SICKELS)

Digitally signed by
ROBERT G HAMILTON
Aug 21, 2018

OFFICE

AJV-5400

DATE

07/11/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by
ROBERT G HAMILTON
Aug 21, 2018

OFFICE

AJV-5400

DATE

TITLE

MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> SLOULIN FLD INTL	<u>AIRPORT ID</u> KISN	<u>PROCEDURE NAME</u> ILS OR LOC RWY 29	<u>AMDT NO.</u> 4B	<u>CITY</u> WILLISTON	<u>STATE</u> ND	<u>AIRPORT ELEVATION</u> 1982	<u>FACILITY</u> I-SFW
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM ISN VOR/DME TO YURCU/ISN 12.57 DME

RNP DISTANCE PAT MAP HAT HMAS
12.57

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (38-000348)	480924.00N/1032956.00W	2652	100	20	3C	1000				AT348	4000
2.TERRAIN	481512.00N/1034500.00W	2379 (2400)								AS1500	3900

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

INITIAL: ARC

FROM OFEGY/ISN 20.00 DME CCW TO KULJI/ISN 20.00 DME

RNP DISTANCE PAT MAP HAT HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.AAO	481258.10N/1040846.10W	2830	1000	3	6A	1000					3900
4.TERRAIN	481258.10N/1040846.10W	2630 (2600)								AS1500	4100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



INITIAL: ARC

FROM

UNCUP/ISN 20.00 DME CW

TO

KULJI/ISN 20.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (38-000584)	480949.00N/1032208.00W		2941	100	20	3C	1000				XP159	4100
6.TERRAIN	480509.00N/1032409.00W		2474 (2500)								AS1500	4000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:
XP=TO PROVIDE COMMON ALTITUDE AT INTERMEDIATE FIX.
INTERMEDIATE: PT

FROM

10 NM

TO

YURCU/ISN 12.57 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	10.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (38-000722)	480642.00N/1032658.00W		2804	250	50	4D	500				AT596	3900
6.TERRAIN	480509.00N/1032409.00W		2474 (2500)								AS1000	3500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



FINAL: LOC

FROM

YURCU/ISN 12.57 DME

TO

5.88 NM AFTER YURCU OR AT ISN 6.74 DME

RNP

DISTANCE

PAT

MAP

HAT

HMAS

5.88

5.88 NM AFTER YURCU OR
AT ISN 6.74 DME

490

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
8.TOWER (38-000542)	481013.84N/1033713.59W	1935	20	3	1A	250				XP235	2420

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT
REMARKS:
XP ON LOC FINAL TO MATCH EXISTING MINIMUMS
PROCEDURE TURN

FROM

YURCU

TO

10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.TOWER (38-000584)	480949.00N/1032208.00W	2941	100	20	3C	1000					4000
6.TERRAIN	480509.00N/1032409.00W	2474 (2500)								AS1500	4000

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



MISSED APPROACH : ILS

FROM

DA

TO

ISN VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
1948												
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				4000
9.AAO	481512.00N/1034500.00W		2569	50	20	2C	1000					3600
10.TERRAIN	481512.00N/1034500.00W		2369 (2400)								AS1000	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

MISSED APPROACH : LOC

FROM

5.88 NM AFTER YURCU OR AT ISN 6.74 DME

TO

ISN VOR/DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
2170												
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				4000
9.AAO	481512.00N/1034500.00W		2569	50	20	2C	1000					3600
10.TERRAIN	481512.00N/1034500.00W		2369 (2400)								AS1000	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
13.TREE	481155.71N/1034030.01W	1.30	578	2259	50	20	2C	300			2560
CATEGORY B											
14.TREE	481209.39N/1034043.88W	1.50	598	2269	50	20	2C	300			2580
CATEGORY C											
15.TREE	481218.73N/1034049.52W	1.70	618	2289	50	20	2C	300			2600
CATEGORY D											
16.TREE	481223.72N/1034119.79W	2.30	638	2309	50	20	2C	300			2620

CIRCLING REMARKS:

MSA

<u>CENTER</u>	<u>RADIUS</u>
ISN VOR/DME	25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TWR (38-000003)	480802.00N/1035138.00W	265	14.1	3219	250	50	4D	1000			4300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

VEGETATION HEIGHT 100' AGL PER FPO E-MAIL.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

GFK FSS, ZLC ARTCC



<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	KISN	0	KISN	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS	KSDY	24	KSDY	36.204	Y	85

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KISN 1981.5, KSDY 1985.3
RA = 84.57.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-SFW	SFW	24	3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW02 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	BSC-G	
RW20 - MIRL (PCL), REIL, PAPI-2L (PCL)	BSC-G	
RW11 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-G	
RW29 - MALSR (PCL), MIRL (PCL), PAPI-4L (PCL)	PIR-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	1894.1	51.8	1903.9	800	3.00	49.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<div>X</div>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<div>X</div>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.94
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.84
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	304.21
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	2209
DISTANCE FROM	THLD	TO 1500FT POINT	13.14
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	7.79
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	304.21
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2481

THRESHOLD
COORDINATES
(IF STR-IN)481025.88N/1033755.35W

ARP COORDINATES481040.58N/1033832.45W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 11 DISTANCE 0.61 NM

FAF
COORDINATES480707.34N/1033039.72W

FIX NAME
COORDINATES

REMARKS



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SLOULIN FLD INTL	KISN	ILS OR LOC RWY 29	4B	WILLISTON	ND	1982	I-SFW

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
LONNIE EVERHART (DALE SICKELS)	AJV-5400	07/11/2018	AERONAUTICAL INFORMATION SPECIALIST

