

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
WILLISTON	THREE	ISN3.ISN	TWO	01/03/2019	10/10/2019
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:****WILLISTON BASIN INTL:**

TAKEOFF RWY 14: CLIMB ON HEADING 139.73 TO 4300 THEN CLIMBING RIGHT TURN TO INTERCEPT ISN VOR/DME R-162 TO ISN VOR/DME, THENCE...

TAKEOFF RWY 32: CLIMB ON HEADING 319.74 TO 4300 THEN CLIMBING LEFT TURN TO INTERCEPT ISN VOR/DME R-299 TO ISN VOR/DME, THENCE...

**SLOULIN FIELD INTL:**

TAKEOFF RWY 2: CLIMBING LEFT TURN HEADING 260 TO INTERCEPT ISN VOR/DME R-128 TO ISN VOR/DME, THENCE...

TAKEOFF RWY 11: CLIMB ON HEADING 115.19 TO 2400 THEN CLIMBING LEFT TURN HEADING 260 TO INTERCEPT ISN VOR/DME R-128 TO ISN VOR/DME, THENCE...

TAKEOFF RWY 20: CLIMBING RIGHT TURN HEADING 350 TO INTERCEPT ISN VOR/DME R-128 TO ISN VOR/DME, THENCE...

TAKEOFF RWY 29: CLIMBING RIGHT TURN TO INTERCEPT ISN VOR/DME R-128 TO ISN VOR/DME, THENCE...

...ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
FONIA	ISN3.FONIA	ISN VOR/DME	FONIA	080.84 (ISN R-081)	23.00	5000	3900	
FORBI	ISN3.FORBI	ISN VOR/DME	FORBI	116.36 (ISN R-116)	22.52	5600	3900	
GINBE	ISN3.GINBE	ISN VOR/DME	GINBE	196.00 (ISN R-196)	16.00	7000	5300	
HASOS	ISN3.HASOS	ISN VOR/DME	HASOS	146.24 & 140.96 (ISN R-146 & DIK R-321)	50.02	4500		
OFEGY	ISN3.OFEGY	ISN VOR/DME	OFEGY	254.86 (ISN R-255)	20.00	6000	5000	

**PROCEDURAL DATA NOTES:**

NOTE: DME REQUIRED.

**TAKEOFF MINIMUMS:****WILLISTON BASIN INTL:**

RWY 14, 32: STANDARD

**SLOULIN FIELD INTL:**

RWY 11, 20: STANDARD.

RWY 2: 200-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 2300.

RWY 29: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 359 FT PER NM TO 2400.

**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

QUALITY  
22  
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**CONTROLLING OBSTACLES:****SLOULIN FIELD INTL:**

RWY 2: 2147 FT MSL TOWER 481213.49N/1033729.23W.

RWY 29: 2147 FT MSL T-L TWR 481120.05N/1034004.81W (CLIMB GRADIENT), 2226 FT MSL T-L TWR 481151.92N/1034046.36W (CEILING/CLIMB-TO-ALTITUDE), 2203 FT MSL T-L TWR 481151.89N/1034103.69W (VISIBILITY).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 11: 2384 FT MSL TOWER 481044.00N/1033345.00W.

**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

REFERENCE MAG/VAR: KXWA 8E EPOCH YR: 2020

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
WILLISTON BASIN INTL (KXWA)	WILLISTON	ND
SLOULIN FIELD INTL (KISN)	WILLISTON	ND

**COMMUNICATIONS:**

ZLC, CTAF, ASOS, ZMP

**FIXES AND/OR NAVAIDS:****REMARKS:**

KXWA IS REPLACING KISN. PROCEDURE CONTAINS BOTH KXWA AND KISN FOR ONE CHART CYCLE. KISN WILL CLOSE AFTER KXWA OPENS AND THIS PROCEDURE WILL BE AMENDED TO REMOVE ALL KISN INFO DEC 2019.

ALL SEGMENTS MEA/MOCA MATCH AIRWAYS MEA/MOCA, NOT DERIVED FROM OBSTACLES.

COORDINATION WITH A4A, ALPA, AOPA, APA, HAI, NBAA, ZLC, ZMP, AND APT MGR SELECTIONS REQUESTED BY AWO AND FPT.

**FLIGHT INSPECTED BY:**     *Digitally signed by*  
 PENDING     **DONALD H LANIER**  
                                  May 23, 2019

**OFFICE SYMBOL:**     **DATE:**  
 FICO

**DEVELOPED BY:**     *Digitally signed by*  
 KELLY DEAN     **KELLY D DEAN**  
                                  May 17, 2019  
*Digitally signed by*  
**APPROVED BY:**     **DONALD H LANIER**  
 LONNIE EVERHART     May 23, 2019

**OFFICE SYMBOL:**     **DATE:**  
 AJV-A431     04/26/2019

**OFFICE SYMBOL:**     **DATE:**  
 AJV-A430

**REQUIRED EFFECTIVE DATE:**  
 10/10/2019



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**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZLC, ZMP, APT MGR

**CHANGES - REASONS:**

1. ADDED KXWA AIRPORT TO PROCEDURE - KXWA OPENED TO REPLACE KISN.
2. INCREASED ALL COURSES AND RADIALS USING ISN VOR/DME 4 DEGREES - ISN VOR/DME MAG/VAR CHANGED FROM E12 TO E8.
3. CHANGED REFERENCE MAG/VAR AND EPOCH YEAR FROM KISN 9E 2010 TO KXWA 8E 2020 - KXWA AND ISN VOR/DME MAG/VAR CHANGED TO 8E DUE TO KXWA REPLACING KISN.
4. RAISED FORBI TRANSITION MEA FROM 5000 TO 5600 - MATCH MEA ON AIRWAY OF 5600.
5. REMOVED DIK VORTAC FROM FIXES AND/OR NAVAIDS SECTION - ALREADY LISTED IN TERMINAL ROUTES SECTION.
6. CHANGED ALL CLIMB HEADING INSTRUCTIONS TO CLIMB ON HEADING - 8260.46G NEW REQUIREMENT.

QUALITY  
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