

**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SUPERSEDED NUMBER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	TWO	ISN2.ISN	ONE	05/13/2015	03 JAN 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"/>

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 2: CLIMBING LEFT TURN HEADING 260 TO INTERCEPT ISN VOR/DME R-124 TO ISN VOR/DME, THENCE...  
TAKEOFF RWY 11: CLIMB HEADING 115.19 TO 2400, THEN CLIMBING LEFT TURN HEADING 260 TO INTERCEPT ISN VOR/DME R-124 TO ISN VOR/DME, THENCE...  
TAKEOFF RWY 20: CLIMBING RIGHT TURN HEADING 350 TO INTERCEPT ISN VOR/DME R-124 TO ISN VOR/DME, THENCE...  
TAKEOFF RWY 29: CLIMBING RIGHT TURN TO INTERCEPT ISN VOR/DME R-124 TO ISN VOR/DME, THENCE...

...ON (TRANSITION). MAINTAIN 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	ISN2.FONIA	ISN VOR/DME	FONIA	076.84 (ISN R-77)	23.00	5000	3900	
FORBI	ISN2.FORBI	ISN VOR/DME	FORBI	112.36 (ISN R-112)	22.52	5000	3900	
GINBE	ISN2.GINBE	ISN VOR/DME	GINBE	192.00 (ISN R-192)	16.00	7000	5300	
HASOS	ISN2.HASOS	ISN VOR/DME	HASOS	142.24 & 140.96 (ISN R-142 & DIK R-321)	50.02	4500		
OFEGY	ISN2.OFEGY	ISN VOR/DME	OFEGY	250.86 (ISN R-251)	20.00	6000	5000	

**PROCEDURAL DATA NOTES:**

NOTE: DME REQUIRED.

**TAKEOFF MINIMUMS:**

TAKEOFF MINIMUMS: 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).

**CONTROLLING OBSTACLES:**

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).

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

QUALITY  
3  
CHECKED

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**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KISN 9E EPOCH YR: 2010.

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
SLOLUN FIELD INTL (KISN)	WILLISTON	ND

**COMMUNICATIONS:**

ATIS, ZLC, TOWER, CTAF

**FIXES AND/OR NAVAIDS:**

DIK VORTAC

**REMARKS:**

ABBREVIATED AMENDMENT.

**FLIGHT INSPECTED BY:**

JOEL F HAWKLEY

*Digitally signed by*  
**WARDELL HENNING**  
Oct 30, 2018

**OFFICE SYMBOL:**

FICO

**DATE:**

10/26/18

**DEVELOPED BY:** *Digitally signed by*

MIKE MELSEN **MIKE MELSEN**  
Aug 16, 2018

**OFFICE SYMBOL:**

AJV-5412

**DATE:**

07/30/2018

**APPROVED BY:**

GEORGE DAVIS

*Digitally signed by*  
**WARDELL HENNING**  
Oct 30, 2018

**OFFICE SYMBOL:**

AJV-5410

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

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

**OTHER:**

ISN ATCT, APT MGR, ZLC

**CHANGES - REASONS:**

RWY 2 ADDED CG/CGTA - NEW CONTROLLING OBSTRUCTION IDENTIFIED.

ADDED REFERENCE MAG VAR: KISN 9E EPOCH YR: 2010 TO ADDITIONAL FLIGHT DATA - IAW 8260.46F APPENDIX D PARA 10(B).



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WILLISTON	TWO	ISN2.ISN	ONE	05/13/2015	03 JAN 2019

ADDED "ABBREVIATED AMENDMENT" TO REMARKS - IAW 8260.46F APPENDIX D PARA 14(C).

ADDED "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)" UNDER TAKEOFF OBSTACLE NOTES - IAW MEMORANDUM 257 DATED 12/27/2017  
IMPLEMENTATION OF AFS WAIVER FOR FAA ORDER 8260.46F, DEPARTURE PROCEDURE PROGRAM.

CHANGED FROM "142.24 (ISN R-142 & DIK R-321)" TO "142.24 & 140.96 (ISN R-142 & DIK R-321)" - IAW 8260.46F, APPENDIX D, SECTION 2, PARA 4E.

