

**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.  
Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HOT SPRINGS	TWO	HSR2.HSR	ONE	07/24/2014	21 JUL 2016

**TYPE:** SID

**DP ROUTE DESCRIPTION:**

RWY 1 – CLIMB HEADING 026.00 TO INTERCEPT RAP VORTAC R-190 TO RAP VORTAC, THENCE...

RWY 19 – CLIMBING LEFT TURN HEADING 360 TO INTERCEPT RAP VORTAC R-190 TO RAP VORTAC, THENCE...

... MAINTAIN 7000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

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

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

DME REQUIRED.

RWY 6, 24, NA-ENVIRONMENTAL.

RWY 1, STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 5000.

RWY 19, STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 5000.

**TAKEOFF OBSTACLES NOTES:**

NOTE: RWY 1, TERRAIN 55 FT FROM DER, 468 FT RIGHT OF CENTERLINE, 3144 FT MSL. VEHICLE ON ROAD BEGINNING 312 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/3154 FT MSL. TREES BEGINNING 528 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/3239 FT MSL. TREES 2.1 NM FROM DER, 3246 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/3519 FT MSL.

NOTE: RWY 19, VEHICLE ON ROAD BEGINNING 5 FT FROM DER, 369 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/3161 FT MSL. VEHICLE ON ROAD BEGINNING 407 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/3166 FT MSL. POLES BEGINNING 607 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/3181 FT MSL. MULTIPLE TREES AND POLES BEGINNING 1875 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/3281 FT MSL. BUILDINGS 3031 FT FROM DER, 149 FT LEFT OF CENTERLINE, UP TO 20 FT AGL/3230 FT MSL. FENCE BEGINNING 3033 FT FROM DER, 559 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/3236 FT MSL. RISING TERRAIN BEGINNING 3477 FT FROM DER, 545 FT LEFT OF CENTERLINE, UP TO 3241 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 764 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/3489 FT MSL. POWER LINES BEGINNING 1.4 NM FROM DER, 166 FT LEFT OF CENTERLINE, UP TO 120 FT AGL/3440 FT MSL.



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.  
Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HOT SPRINGS	ONE	HSR2.HSR	ONE	07/24/2014	21 JUL 2016

**CONTROLLING OBSTACLES:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

CHART HIRUG (RAP R-190/29 NM).  
CHART: TOP ALTITUDE: 7000.

**AIRPORTS SERVED:**

HOT SPRINGS MUNI

HOT SPRINGS, SD

**COMMUNICATIONS:**

**FIXES AND/OR NAVAIDS:**

HIRUG



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION  
**GRAPHIC DEPARTURE PROCEDURE (DP)**

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.  
Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HOT SPRINGS	ONE	HSR2.HSR	ONE	07/24/2014	21 JUL 2016

**REMARKS:**

1. CLIMB GRADIENTS AND TERMINATION ALTITUDES REQUIRED FOR NAVAID RECEPTION OF RAP (RAPID CITY) VORTAC.
2. FIX HIRUG ESTABLISHED FOR ATC COORDINATION; NON-COMPULSORY REPORTING POINT.

**CHANGES:**

ADDED CHART: TOP ALTITUDE: 7000.

**REASONS:**

ATC REQUEST



## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
<b>HOT SPRINGS</b>	<b>TWO</b>	<b>HSR2 . HSR</b>	<b>ONE</b>	<b>07/24/2014</b>	<b>21 JUL 2016</b>

ARINC SUMMARY - KHSR

## ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW01	010		VI	FB		026.0								
RW01	020	HIRUG	CF	FB		010.0	RAP							E
RW01	030	RAP	TF	FB										VE
RW19	010		CA	FB		191.6						AA 03550		
RW19	020		VI	FB		360.0			L					
RW19	030	HIRUG	CF	FB		010.0	RAP							E
RW19	040	RAP	TF	FB										VE

## POINTS

POINT NAME	LATITUDE	LONGITUDE
RAP	N435833.70	W1030044.43
HIRUG	N433151.33	W1031618.68

## RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW01	N432148.29	W1032332.51	03150
RW19	N432229.65	W1032310.03	03142

QUALITY  
15  
CHECKED