

**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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MRIAS	THREE	MRIAS3.MRIAS	TWO	13 NOV 2014	<b>21 JUL 2016</b>

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 5:** CLIMB HEADING 050.92 TO 4360, THEN RIGHT TURN DIRECT MRIAS. THENCE...  
**TAKEOFF RWY 14:** CLIMB HEADING 139.17 TO 4360, THEN DIRECT MRIAS. THENCE...  
**TAKEOFF RWY 23:** CLIMB HEADING 230.93 TO 4360, THEN LEFT TURN DIRECT MRIAS. THENCE...  
**TAKEOFF RWY 32:** CLIMB HEADING 319.18 TO 4360, THEN LEFT TURN DIRECT MRIAS. THENCE...  
 ...VIA TRANSITION.

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

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
BRADZ	MRIAS3.BRADZ	MRIAS	BRADZ	132.32	22.99	6000		
PENRY	MRIAS3.PENRY	MRIAS	PENRY	159.19	23.79	7000	6400	AT/ABOVE 10000

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

NOTE: GPS REQUIRED.  
 NOTE: CLIMB TO 10000 IN HOLDING AT PENRY IF UNABLE TO MEET CROSSING RESTRICTION.  
 NOTE: RNAV 1  
 RWY 5, 14, 23, 32-STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 4360.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 5,** RUNWAY LIGHT 11 FT FROM DER, 17 FT LEFT OF CENTERLINE, 1 FT AGL/3842 FT MSL.

**NOTE: RWY 14,** RUNWAY LIGHT 9 FT FROM DER, 48 FT LEFT OF CENTERLINE, 2 FT AGL/3843 FT MSL. REIL 12 FT FROM DER, 114 FT RIGHT OF CENTERLINE, 3 FT AGL/3844 FT MSL.

**NOTE: RWY 23,** FENCE 4 FT FROM DER, 239 FT RIGHT OF CENTERLINE, 6 FT AGL/3857 FT MSL, RUNWAY LIGHTS BEGINNING 8 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 1 FT AGL/ 3855 FT MSL. FENCE 122 FT FROM DER, 240 FT RIGHT OF CENTERLINE, 5 FT AGL/3857 FT MSL.

**NOTE: RWY 32,** RUNWAY LIGHTS BEGINNING 9 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 2 FT AGL/3859 FT MSL.

**CONTROLLING OBSTACLES:**

**LOST COMMUNICATIONS PROCEDURES:**



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**ADDITIONAL FLIGHT DATA:**

REF MAG VAR: KCTB 13E EPOCH YEAR 2015  
DME/DME ASSESSMENT: NOT CONDUCTED  
CHART HOLDING PATTERN AT PENRY, HOLD N, RT, 159.19 INBOUND, 10 MILE LEGS.  
CHART: TOP ALTITUDE: ASSIGNED BY ATC

**AIRPORTS SERVED:**

CUT BANK INTL CUT BANK, MT

**COMMUNICATIONS:**

ZLC, GTF FSS, CTAF

**FIXES AND/OR NAVAIDS:**



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MRIAS	THREE	MRIAS3.MRIAS	TWO	13 NOV 2014	21 JUL 2016

**REMARKS:**

**REQUIRED EFFECTIVE DATE:**

**COORDINATED WITH:**

ALPA, AOPA, NBAA, ZLC, AMGR

**CHANGES:**

ADDED: CHART: TOP ALTITUDE: ASSIGNED BY ATC

**REASONS:**

ATC REQUEST



## DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
MRIAS		THREE		MRIAS3.MRIAS			TWO		13 NOV 2014	21 JUL 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW05 (AER)	483623.36N/1122306.84W	N	-	-	-	-				
4360 MSL	-	-	-	VA	063.92	-			CG 500 FT/NM TO 4360	
MRIAS	482828.21N/1121928.79W	Y	FB	DF	-	-			TURN RIGHT	
RW14 (AER)	483648.42N/1122255.30W	N	-	-	-	-				
4360 MSL	-	-	-	VA	152.17	-			CG 500 FT/NM TO 4360	
MRIAS	482828.21N/1121928.79W	Y	FB	DF	-	-				
RW23 (AER)	483646.35N/1122155.99W	N	-	-	-	-				
4360 MSL	-	-	-	VA	243.93	-			CG 500 FT/NM TO 4360	
MRIAS	482828.21N/1121928.79W	Y	FB	DF	-	-			TURN LEFT	
RW32 (AER)	483602.17N/1122218.49W	N	-	-	-	-				
4360 MSL	-	-	-	VA	332.18	-			CG 500 FT/NM TO 4360	
MRIAS	482828.21N/1121928.79W	Y	FB	DF	-	-			TURN LEFT	
MRIAS	482828.21N/1121928.79W	Y	-	IF	-	-			MRIAS3.BRADZ	
BRADZ	480932.83N/1115956.18W	Y	FB	TF	145.32	22.99				
MRIAS	482828.21N/1121928.79W	Y	-	IF	-	-			MRIAS3.PENRY	
PENRY	480455.03N/1121439.58W	Y	FB	TF	172.19	23.79	AT/ABOVE 10000			