

**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.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
BILLINGS	FIVE	BIL5.BIL	FOUR	12/12/2013	EFF 01 FEB 2018
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**BILLINGS LOGAN INTL (KBIL)

RWY 7, 25, 28L/R: CLIMB ON ASSIGNED HEADING FOR VECTORS TO ASSIGNED FIX/ROUTE, THENCE ...

RWY 10L: CLIMB HEADING 101.72 TO 4600, THEN ON ASSIGNED HEADING FOR VECTORS TO ASSIGNED FIX/ROUTE, THENCE ...

... MAINTAIN 15000 OR ASSIGNED LOWER ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL FIVE MINUTES AFTER DEPARTURE.

LAUREL MUNI (K6S8)

RWY 4: CLIMB ON ASSIGNED HEADING FOR VECTORS TO ASSIGNED FIX/ROUTE, THENCE ...

RWY 22: CLIMB HEADING 216.27 TO 4600 BEFORE TURNING RIGHT, THEN ON ASSIGNED HEADING FOR VECTORS TO ASSIGNED FIX/ROUTE, THENCE ...

... MAINTAIN 15000 OR ASSIGNED LOWER ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL FIVE MINUTES AFTER DEPARTURE.

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

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
-----------------	-----------------------------	--------------------	------------------	--------	----------	-----	------	----------------------------

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED.

**TAKEOFF MINIMUMS:**BILLINGS LOGAN INTL (KBIL)

RWY 10R: NA - ENVIRONMENTAL

RWY 7, 10L, 25, 28L/R: STANDARD

LAUREL MUNI (K6S8)

RWY9, 14, 27, 32, NA.

RWY 4, 22 STANDARD.

**TAKEOFF OBSTACLES NOTES:**BILLINGS LOGAN INTL (KBIL)

NOTE: RWY 7, GROUND BEGINNING 9 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 3498 FT MSL. FENCE 466 FT FROM DER, 534 FT RIGHT OF CENTERLINE, 3511 FT MSL.

NOTE: RWY 10L, GROUND BEGINNING 22 FT FROM DER, 496 FT RIGHT OF CENTERLINE. UP TO 3505 FT MSL. VEHICLES ON ROAD BEGINNING 622 FT FROM DER, 426 FT RIGHT OF CENTERLINE. 15 FT AGL/3524 FT MSL. FENCE 464 FT FROM DER. 534 FT RIGHT OF CENTERLINE, 11 FT AGL/3511 FT MSL.

NOTE: RWY 25, GROUND BEGINNING 16 FT FROM DER, 456 FT LEFT OF CENTERLINE, UP TO 3642 FT MSL. GROUND BEGINNING 52 FT FROM DER, 366 FT RIGHT OF CENTERLINE, UP TO 3647 FT MSL. NUMEROUS POLES, VERTICAL STRUCTURES, AND FENCE BEGINNING 189 FT FROM CENTERLINE, 184 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/3673 FT MSL. TREE 4760 FT FROM DER, 1545 FT RIGHT OF CENTERLINE, 30 FT AGL/3769 FT MSL.

**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.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
BILLINGS	FIVE	BIL5.BIL	FOUR	12/12/2013	EFF 01 FEB 2018

NOTE: RWY 28L, GROUND BEGINNING 25 FT FROM DER, 365 FT LEFT OF CENTERLINE, UP TO 3660 FT MSL. BLDG 1680 FT FROM DER, 717 FT LEFT OF CENTERLINE, 35 FT AGL/3707 FT MSL. BLDG 3523 FT FROM DER, 708 FT LEFT OF CENTERLINE, 3743 FT MSL. TREE 3682 FT FROM DER, 937 FT LEFT OF CENTERLINE, 30 FT AGL/3769 FT MSL.

LAUREL MUNI (K6S8)

NOTE: RWY 4, GROUND BEGINNING 47 FT FROM DER, 397 FT LEFT OF CENTERLINE, UP TO 3480 FT MSL. MULTIPLE TREES BEGINNING 309 FT FROM DER, 260 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/3522 FT MSL. FENCE BEGINNING 64 FT FROM DER, 281 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/3469 FT MSL

NOTE: RWY 22, GROUND BEGINNING 34 FT FROM DER, 264 FT RIGHT OF CENTERLINE, UP TO 3498 FT MSL.

**CONTROLLING OBSTACLES:**  
BILLINGS LOGAN INTL (KBIL)

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10L: 4248 FT MSL TOWER 454537.00N/1082717.00W.

LAUREL MUNI (K6S8)

RWY 22 - 4308 FT MSL AAO 454231.09N/1085033.00W (CTA).

**LOST COMMUNICATIONS PROCEDURES:**

BILLINGS LOGAN INTL (KBIL) AND LAUREL MUNI (K6S8)

IF NO TRANSMISSIONS ARE RECEIVED FOR 1 MINUTE AFTER DEPARTURE, FLY LAST ASSIGNED HEADING UNTIL REACHING 7000. PROCEED DIRECT BIL VORTAC, THEN ON LAST ROUTING CLEARED AND CLIMB TO FILED ALTITUDE.

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 15000.

REFERENCE MAG VAR: KBIL 10E EPOCH YEAR: 20.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
BILLINGS LOGAN INTL (KBIL)	BILLINGS	MT
LAUREL MUNI (K6S8)	LAUREL	MT

**COMMUNICATIONS:**

ATIS, GND CON, CLNC DEL, DEP CON.

**FIXES AND/OR NAVAIDS:**

VORTACS: GTF, HLN, DBS, RAP, BIL.

VOR/DMES: DPR, SHR, DLN, HIA, LWT, BZN, LVM, DNW, COD, BOY, GGW, MLS, CZI.



**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.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
BILLINGS	FIVE	BIL5.BIL	FOUR	12/12/2013	<b>EFF 01 FEB 2018</b>

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*  
JOHN KEARBY **BEV L BORDY**  
Oct 02, 2017

OFFICE SYMBOL: **DATE:**  
FIOG 08/03/2017

DEVELOPED BY: *Digitally signed by*  
SYLVAN DRAKES **SYLVAN DRAKES**  
Jun 28, 2017

OFFICE SYMBOL: **DATE:**  
AJV-5433 12/09/2016

APPROVED BY: *Digitally signed by*  
PATRICK MULQUEEN **BEV L BORDY**  
Oct 02, 2017

OFFICE SYMBOL: **DATE:**  
AJV-5430

REQUIRED EFFECTIVE DATE:  
ROUTINE.

COORDINATED WITH:

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

OTHER:

ZLC, BIL APP CON, BIL ATCT, AIRPORT MANAGER

CHANGES - REASONS:

1. UPDATED MAGNETIC VARIATION (MAG VAR) FOR BILLINGS LOGAN INTERNATIONAL AIRPORT (KBIL) - UPDATED FROM 14E (EPOCH YEAR 1990) "TO" 10E (EPOCH YEAR 2020) - MAGNETIC VARIATION UPDATE REQUIRED.
2. UPDATED BILLINGS LOGAN INTL DP ROUTE DESCRIPTION FROM RWY 10L - CLIMB HEADING 097.72 TO 4600 BEFORE TURNING RIGHT, THENCE... TO RWY 10L - CLIMB HEADING 101.72 TO 4600, THEN ASSIGNED HEADING FOR VECTORS TO ASSIGNED FIX/ROUTE, THENCE...; PER ATC REQUEST.
3. UPDATED LAUREL MUNI DP ROUTE DESCRIPTION FROM RWY 22 - CLIMB HEADING 216.27 TO 4600 BEFORE TURNING RIGHT, THENCE... TO RWY 22 - CLIMB HEADING 216.27 TO 4600 BEFORE TURNING RIGHT, THEN ON ASSIGNED HEADING FOR VECTORS TO ASSIGNED FIX/ROUTE, THENCE...; PER ATC REQUEST.
4. UPDATED RWY 7, 10L/R, 25, 28L TAKEOFF OBSTACLE NOTES; NEW/UPDATED SURVEYED DATA AND TAKEOFF OBSTACLES.
5. UPDATED VIA TO ON IN LOST COMMUNICATIONS PROCEDURES; VIA NO LONGER USED.
6. ADDITIONAL FLIGHT DATA: ADDED CHART: TOP ALTITUDE: 15000 AND REFERENCE MAG VAR: KBIL 10E EPOCH YEAR: 20.

09/07/17: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/09/16.

1. REMOVED KBIL RWY 10R FROM DP ROUTE DESCRIPTION.
2. CHANGED KBIL RWY 10R FROM STANDARD TO READ NA - ENVIRONMENTAL IN TAKEOFF MINIMUMS SECTION.
3. REMOVED KBIL RWY 10R OBSTACLES FROM OBSTACLES NOTES SECTION.

10/02/17: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/09/16.

FIXES AND/OR NAVAIDS: REMOVED DPR FROM VORTACS AND ADDED IT TO VORDMES - PUBLICATION DATE FOR DPR ALIGNS WITH PROCEDURE PUBLICATION DATE.

QUALITY  
27  
CHECKED