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 statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BOBKT	TWO	BOBKT2.BOBKT	ONE	30-JUNE-11	

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 12: CLIMB HEADING 122.76 TO 4980, THEN DIRECT TO CROSS JAPER AT/ABOVE 8000, THEN ON TRACK 084.84 TO CROSS BOBKT AT/ABOVE 11000. THENCE...

TAKEOFF RWY 30: CLIMB HEADING 302.77 TO INTERCEPT COURSE 213.00 TO CHURC, THEN ON TRACK 137.37 TO HYLIT, THEN ON TRACK 072.21 TO CROSS BOBKT AT/ABOVE 11000. THENCE...

....(TRANSITION) MAINTAIN ASSIGNED ALTITUDE. 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
BILLINGS	BOBKT2.BIL	BOBKT	LVM VOR/DME	TRACK 064.23	15.44	10400		
		LVM VOR/DME	SUBKY	TRACK 071.58	20.35	9000	8500	
		SUBKY	REEPO	TRACK 071.94	18.28	9000	8500	
		REEPO	COLUS	TRACK 072.24	18.00	7000		
		COLUS	BIL VORTAC	TRACK 072.54	20.00	6400		
BOYSEN RESERVOIR	BOBKT2.BOY	BOBKT	ZORKE	TRACK 133.70	10.00	15000	10400	CROSS ZORKE AT/ABOVE 15000
		ZORKE	TOOLS	TRACK 133.80	40.33	15000		
		TOOLS	BOY VOR/DME	TRACK 124.35	119.48	15000		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS:
RWY 3, 21: NA – ATC.

RWY 12, STANDARD WITH MINIMUM CLIMB OF 395 FT PER NM TO 15000, ATC CLIMB OF 500 FT PER NM TO 4980.

RWY 30, STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 15000, ATC CLIMB OF 500 FT PER NM TO 4980.

NOTE: RNAV-1
NOTE: GPS REQUIRED

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BOBKT	TWO	BOBKT2.BOBKT	ONE	30-JUNE-11	

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 30, POLE 641 FT FROM DER, 622 FT LEFT OF CENTERLINE, 35 FT AGL/4452 FT MSL.

CONTROLLING OBSTACLES:

RWY 12: 11412 FT MSL AAO 452316.10N/1102910.20W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: NOT CONDUCTED
KBZN 13E EPOCH YR 2010

AIRPORTS SERVED:

BOZEMAN YELLOWSTONE INTL — BOZEMAN, MT

COMMUNICATIONS:

SALT LAKE CITY CENTER APP/DEP CON, BOZEMAN RCO, BOZEMAN TOWER, GND CON, ATIS

FIXES AND/OR NAVAIDS:

REMARKS:

CLIMB GRADIENTS ARE REQUIRED TO REACH ZORKE AT/ABOVE 15000 – UNCONTROLLED AIRSPACE AT 14500 BEGINS JUST BEYOND ZORKE TOWARD TOOLS. 14800 COULD HAVE BEEN USED HOWEVER ATC USES A 500 FOOT BUFFER THEREFORE 15000 WAS USED PER AIR TRAFFIC REQUEST. 200 KIAS USED AT FIRST TURN (ICA) FOR CALCULATION OF LEG LENGTH AND DTA LENGTH BASED ON 2.9 NM TURN RADIUS.

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BOBKT	TWO	BOBKT2.BOBKT	ONE	30-JUNE-11	

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
BRYAN BLUE AJV-354 07/02/2012

APPROVED BY:
DEZ SILAGYI AJV-354

COORDINATED WITH:
ATA, ALPA, AOPA, NBAA, ZLC, BZN ATCT, MT AERO, APT MGT

CHANGES:

1. CHANGED AIRPORT NAME FROM GALLATIN FIELD TO BOZEMAN YELLOWSTONE INTL

REASONS:

1. PER AVNIS

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BOBKT	TWO	BOBKT2.BOBKT	ONE	30-JUN-11	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW 12 (AER)	454717.11N/1110959.33W	N	-	-	-	-			
4980	-	-	-	VA	135.76	-			CG 395 FT PER NM TO 15000, ATC CG 500 FT PER NM TO 4980.
JAPER	453952.23N/1105919.04W	Y	FB	DF	-	-	AT/ABOVE 8000		
BOBKT	453846.30N/1104801.79W	Y	FB	TF	097.84	7.99	AT/ABOVE 11000		
RW 30 (AER)	454613.48N/1110830.79W	N	-	-	-	-			
	454852.51N/1111212.17W	-	-	VI	315.77	3.70			CG 250 FT PER NM TO 15000, ATC CG 500 FT PER NM TO 4980
CHURC	454524.05N/1111720.39W	Y	FB	CF	226.00	5.00			
HYLIT	453727.87N/1111054.58W	Y	FB	TF	150.37	9.13			
BOBKT	453846.30N/1104801.79W	Y	FB	TF	085.21	16.11	AT/ABOVE 11000		
BOBKT	453846.30N/1104801.79W	Y	-	IF	-	-			BOBKT2.BIL
LVM VOR/DME	454208.93N/1102632.83W	Y	FB	TF	077.23	15.44			
SUBKY	454400.60N/1095737.27W	Y	FB	TF	084.58	20.35			
REEPO	454534.41N/1093136.76W	Y	FB	TF	084.94	18.28			
COLUS	454701.12N/1090558.82W	Y	FB	TF	085.24	18.00			
BIL VORTAC	454830.81N/1083728.73W	Y	FB	TF	085.54	20.00			
BOBKT	453846.30N/1104801.79W	Y	-	IF	-	-			BOBKT2.BOY
ZORKE	453024.65N/1104013.39W	Y	FB	TF	146.70	10.00	AT/ABOVE 15000		
TOOLS	445635.74N/1100907.61W	Y	FB	TF	146.80	40.33			
BOY VOR/DME	432747.35N/1081758.96w	Y	FB	TF	137.35	119.48			

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BOBKT RNAV	TWO	BOBKT2.BOBKT	ONE	30-JUN-11	

ARINC PACKET - 424-18 - SID

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BIL   K1011450VTHW N45483081W108372873    N45483081W108372873E0140038112     NARBILLINGS
        SUSAD        BOY   K1011780VDHW N43274735W108175896    N43274735W108175896E0160075502     NARBOYSEN RESERVOIR
        SUSAD        JAC   K1011540VDLW N43371574W110435407    N43371696W110435881E0130064531     NARJACKSON
        SUSAD        LVM   K1011610VDLW N45420893W110263283    N45420893W110263283E0150046531     NARLIVINGSTON

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BOBKT K10    W     N45384630W110480179                    E0124     NAR          BOBKT
        SUSAEAENRT   CHURC K10    W     N45452405W111172039                    E0126     NAR          CHURC
        SUSAEAENRT   COLUS K10    C   L N45470112W109055882                    E0116     NAR          COLUS
        SUSAEAENRT   HYLIT K10    W     N45372787W111105458                    E0125     NAR          HYLIT
        SUSAEAENRT   JAPER K10    C   H N45395223W110591904                    E0125     NAR          JAPER
        SUSAEAENRT   REEPO K10    C   L N45453441W109313676                    E0118     NAR          REEPO
        SUSAEAENRT   SUBKY K10    C   L N45440060W109573727                    E0120     NAR          SUBKY
        SUSAEAENRT   TOOLS K10    W     N44563574W110090761                    E0120     NAR          TOOLS
        SUSAEAENRT   ZORKE K10    W     N45302465W110401339                    E0123     NAR          ZORKE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBZNK1ABZN     0     089YHN45463926W111090728E013004473        1800018000C    MNAR    BOZEMAN YELLOWSTONE INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBZNK1DBOBKT24RW12  010         0        VA                    1228        + 04980     18000
        SUSAP KBZNK1DBOBKT24RW12  020JAPERK1EA0E    010DF                                + 08000
        SUSAP KBZNK1DBOBKT24RW12  030BOBKTK1EA0EE   010TF                    08480080    + 11000
        SUSAP KBZNK1DBOBKT24RW30  010         0        VI                    3028                    18000
        SUSAP KBZNK1DBOBKT24RW30  020CHURCK1EA0E    010CF JAC K1      3367130321300050D
        SUSAP KBZNK1DBOBKT24RW30  030HYLITK1EA0E    010TF                    13740091
        SUSAP KBZNK1DBOBKT24RW30  040BOBKTK1EA0EE   010TF                    07220161    + 11000
        SUSAP KBZNK1DBOBKT26BIL   010BOBKTK1EA0E       IF                                           18000
        SUSAP KBZNK1DBOBKT26BIL   020LVM  K1D 0V    010TF                    06420154
        SUSAP KBZNK1DBOBKT26BIL   030SUBKYK1EA0E    010TF                    07160204
        SUSAP KBZNK1DBOBKT26BIL   040REEPOK1EA0E    010TF                    07190183
        SUSAP KBZNK1DBOBKT26BIL   050COLUSK1EA0E    010TF                    07220180
        SUSAP KBZNK1DBOBKT26BIL   060BIL  K1D 0VE   010TF                    07250200
        SUSAP KBZNK1DBOBKT26BOY   010BOBKTK1EA0E       IF                                           18000
        SUSAP KBZNK1DBOBKT26BOY   020ZORKEK1EA0E    010TF                    13370100    + 15000
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DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BOBKT RNAV	TWO	BOBKT2.BOBKT	ONE	30-JUN-11	

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SUSAP KBZNK1DBOBKT26BOY   030TOOLSK1EA0E    010TF                    13380403
SUSAP KBZNK1DBOBKT26BOY   040BOY  K1D 0VE   010TF                    12441195
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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBZNK1GRW12    0089941228 N45471711W111095933+0400    +1337304425000053150IIBZN1
        SUSAP KBZNK1GRW30    0089943028 N45461349W111083080-0400    +1348704462000045150R
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BOBKT RNAV	TWO	BOBKT2.BOBKT	ONE	30-JUN-11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW12		010		VA		FB		122.8()		AA 04980	
	RW12	JAPER	020		DF		FB	1.0			AA 08000	
	RW12	BOBKT	030		TF		FB	1.0	084.8()	008.0	AA 11000	
	RW30		010		VI		FB		302.8()			
	RW30	CHURC	020		CF		FB	1.0	213.0()	005.0		
	RW30	HYLIT	030		TF		FB	1.0	137.4()	009.1		
	RW30	BOBKT	040		TF		FB	1.0	072.2()	016.1	AA 11000	
	BIL	BOBKT	010		IF		FB					
	BIL	LVM	020		TF		FB	1.0	064.2()	015.4		
	BIL	SUBKY	030		TF		FB	1.0	071.6()	020.4		
	BIL	REEPO	040		TF		FB	1.0	071.9()	018.3		
	BIL	COLUS	050		TF		FB	1.0	072.2()	018.0		
	BIL	BIL	060		TF		FB	1.0	072.5()	020.0		
	BOY	BOBKT	010		IF		FB					
	BOY	ZORKE	020		TF		FB	1.0	133.7()	010.0	AA 15000	
	BOY	TOOLS	030		TF		FB	1.0	133.8()	040.3		
	BOY	BOY	040		TF		FB	1.0	124.4()	119.5		

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
BIL	N454830.81	W1083728.73	N4548.514	W10837.479
BOY	N432747.35	W1081758.96	N4327.789	W10817.983
JAC	N433715.74	W1104354.07	N4337.262	W11043.901
LVM	N454208.93	W1102632.83	N4542.149	W11026.547
BOBKT	N453846.30	W1104801.79	N4538.772	W11048.030
CHURC	N454524.05	W1111720.39	N4545.401	W11117.340
COLUS	N454701.12	W1090558.82	N4547.019	W10905.980
HYLIT	N453727.87	W1111054.58	N4537.465	W11110.910
JAPER	N453952.23	W1105919.04	N4539.871	W11059.317
REEPO	N454534.41	W1093136.76	N4545.574	W10931.613
SUBKY	N454400.60	W1095737.27	N4544.010	W10957.621
TOOLS	N445635.74	W1100907.61	N4456.596	W11009.127
ZORKE	N453024.65	W1104013.39	N4530.411	W11040.223
RW12	N454717.11	W1110959.33	N4547.285	W11109.989
RW30	N454613.49	W1110830.80	N4546.225	W11108.513

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW12	04425	53
RW30	04462	45