

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KBIL	<u>PROCEDURE NAME</u> ILS OR LOC RWY 28R	<u>ORIGINAL/AMENDMENT</u> 3A	<u>CITY</u> BILLINGS	<u>STATE</u> MT		
<u>AIRPORT ELEVATION</u> 3662	<u>TDZE</u> 3517	<u>SUPERSEDED</u> ILS OR LOC RWY 28R	<u>ORIGINAL/AMENDMENT</u> 3	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-BMO	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
PILLR	IAF	YIGUD		TF	FB	1.00	253.90	5.01	6000
SUTLE/I-BMO 13.82 DME/RADAR	IAF	YIGUD/I-BMO 9.88 DME					281.75	3.93 (I-BMO)	6000
HRDIN	IAF	YIGUD		TF	FB	1.00	308.23	5.28	6000
GRYZZ	IAF	DOPIC		TF	FB	1.00	044.36	4.16	7000
DOPIC		YIGUD		TF	FB	1.00	333.51	5.10	6000
YIGUD/I-BMO 9.88 DME	IF/IAF	PICTO/I-BMO 6.49 DME					281.75	3.39 (I-BMO)	5000

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: I-BMO 1.92 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 THEN CLIMBING LEFT TURN TO 6000 DIRECT BIL VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT                      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF                      (IAF)

2. PROFILE STARTS AT YIGUD

3. FAF: 281.75                      FAF: PICTO/I-BMO 6.49 DME                      DIST FAF TO MAP:                      DIST FAF TO THLD: 4.57

4. MIN ALT:                      YIGUD/I-BMO 9.88 DME 6000, PICTO/I-BMO 6.49 DME 5000, YICUN/I-BMO 4.22 DME 4260

5. DIST TO THLD FROM OM:                      MM:                      IM:                      150 HAT:                      GS ANT: 926

6. MIN GS INCPT: 5000                      GS ALT AT FAF :                      PICTO/I-BMO 6.49 DME 5000                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1:                      20:1:                      TCH: 55.6

8. MSA FROM:                      BIL VORTAC 130-220 8300, 220-130 6300

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.  
PBN REQUIREMENTS NOTE: AIRCRAFT NOT GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY.  
PBN REQUIREMENTS NOTE: RNP APCH-GPS. FROM GRYZZ OR HRDIN OR PILLR.

NOTES:

CHART NOTE: RWY 28R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART SPEED ICON IN PLANVIEW AT PILLR: MAX 230 KIAS.  
CHART SPEED ICON IN PLANVIEW AT HRDIN: MAX 230 KIAS.  
CHART SPEED ICON IN PLANVIEW AT GRYZZ: MAX 220 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART MANDATORY 9000 AT GRYZZ.  
CHART MANDATORY 6700 AT HRDIN.  
CHART MANDATORY 6000 AT SUTLE.  
CHART MANDATORY 6300 AT PILLR.  
CHART FAS OBST: 3561 POLE (30-023457) 454755N/1082958W.  
CHART VDP AT 2.84 DME  
DISTANCE VDP TO THLD 0.93 NM.  
HOLD W, RT, 072.00 INBOUND.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA    ☐    ILS: STANDARD; LOC: STANDARD - CAT D 1000-3

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 28R	3767	3/4	250	3767	3/4	250	3767	3/4	250	3767	3/4	250			
S-LOC 28R	3840	1	323	3840	1	323	3840	1	323	3840	1	323			
CIRCLING	4100	1	438	4160	1	498	4180	1 1/2	518	4580	3	918			

QUALITY  
6  
CHECKED

**CHANGES - REASONS**

1. UPDATED AIRPORT ELEVATION FROM 3652 TO 3662. - NEW AIRNAV DATA.
2. UPDATED CIRCLING HAAS CAT A 448 TO 438, CAT B 508 TO 498, CAT C 528 TO 518, CAT D 928 TO 918. - NEW AIRNAV DATA.
3. UPDATED EQUIPMENT REQUIREMENTS NOTE, REPLACED: FROM PILLR, CRYZZ, HRDN: RNAV 1-GPS REQUIRED WITH PBN REQUIREMENTS NOTE: AIRCRAFT NOT GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY, PBN REQUIREMENTS NOTE: RNP APCH-GPS. FROM GRYZZ OR HRDIN OR PILLR. - 8260.19I CRITERIA.
4. ADDED EQUIPMENT REQUIREMENTS NOTE: DME REQUIRED. - 8260.19I REQUIREMENT.
5. REMOVED CHART NOTE: DME REQUIRED. - 8260.19I REQUIREMENT.
6. CHANGED CHART FAS OBST: 3561 POLE 454755N/1082958W. TO CHART FAS OBST: 3561 POLE (30-023457) 454755N/1082958W. - 8260.19I REQUIREMENT.
7. REMOVED \*LOC ONLY. - 8260.19I REQUIREMENT.
8. CHANGED CHART VDP AT 2.84 DME\* TO CHART VDP AT 2.84 DME. - 8260.19I REQUIREMENT.
9. CHANGED 4260\* IN PROFILE LINE FOUR TO 4260. - 8260.19I REQUIREMENT.
10. CHANGED LINES 1,3,5 IN TO SECTION OF TERMINAL ROUTES FROM YIGUD/I-BMO 9.88 DME TO YIGUD. - 8260.19I REQUIREMENT.
11. REMOVED TF FROM LINE 6 LEG TYPE IN TERMINAL ROUTES. - 8260.19I REQUIREMENT.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, ATCT, BIL APCH, ZLC

**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

**OFFICE***Digitally signed by***DATE****JON DENTON**

Feb 25, 2021

**DEVELOPED BY**

JON DENTON (JOHN KEEFER)

*Digitally signed by***OFFICE****DATE****JON DENTON**

AJV-A432

01/08/2021

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*

Feb 25, 2021

**OFFICE****DATE****JON DENTON**

AJV-A430

**TITLE**  
MANAGER