

**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> KBZN	<u>PROCEDURE NAME</u> ILS OR LOC RWY 12	<u>ORIGINAL/AMENDMENT</u> 9D	<u>CITY</u> BOZEMAN	<u>STATE</u> MT		
<u>AIRPORT ELEVATION</u> 4473	<u>TDZE</u> 4443	<u>SUPERSEDED</u> ILS OR LOC RWY 12	<u>ORIGINAL/AMENDMENT</u> 9C	<u>DATED</u> 01/03/2019	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> I-BZN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<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>
HIA VOR/DME		HEBIV/HIA 19.00 DME					060.36	19.00	9400
HEBIV/HIA 19.00 DME		THESE INT/HIA 26.87 DME					060.36	7.87 (HIA R-060)	8300
BZN VOR/DME		FALIA INT/BZN 15.00 DME					297.17	15.00	8100
THESE INT/HIA 26.87 DME	IAF	FALIA INT/BZN 15.00 DME	NOPT				041.72 & 122.76	4.46 (HDG) & 2.73 (I-BZN)	8000
BRIGR INT/BZN 15.00 DME CW	IAF	FALIA INT/BZN 15.00 DME	NOPT				15.00 DME ARC (BZN LR-289)		8000
KICDO/BZN 15.00 DME CCW	IAF	ZOPKA/BZN 15.00 DME	NOPT				15.00 DME ARC		8400
ZOPKA/BZN 15.00 DME CCW		FALIA INT/BZN 15.00 DME					15.00 DME ARC		8000
FALIA INT/BZN 15.00 DME	IF/IAF	MANNI LOM/BZN 7.60 DME					122.76	7.41 (I-BZN)	6800

MISSED APPROACH

MAP:

ILS: DA
LOC: 7.09 NM AFTER MANNI LOM OR AT BZN 0.53 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5200 THEN CLIMBING RIGHT TURN TO 8000 ON HEADING 250 AND ON BZN VOR/DME R-223 TO BRIGR INT/BZN 15.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 5200 THEN CLIMBING RIGHT TURN TO 8400 DIRECT MANNI LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8400 (ADF REQUIRED).



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW FALIA, RT, 122.76 INBOUND, 8000 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAC: 122.76FAF: MANNI LOM/BZN 7.60 DMEDIST FAF TO MAP: 7.09DIST FAF TO THLD: 7.09

4. MIN ALT: FALIA INT/BZN 15.00 DME 8000, MANNI LOM/BZN 7.60 DME 6800

5. DIST TO THLD FROM OM: 7.09MM:IM:150 HAT:GS ANT: 905

6. MIN GS INCPT: 6800GS ALT AT PFAF :OM: 6781MM:IM:

7. GP ANGLE: 3.0034:1:20:1:TCH: 52.5

8. MSA FROM: BZ LOM 360-090 10900, 090-180 11400, 180-270 10600, 270-360 9000

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY AT BRIGR.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 3-21 AND 11-29.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 12 CAT C/D VISIBILITY TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: MANNI LOM
HOLD W, LT, 093.83 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW MANNI LOM, RT, 122.76 INBOUND.
FAS OBST: 4549 AAO 454919N/1111343W.
CHART VDP AT 1.71 DME
DISTANCE VDP TO THLD 1.20 NM.
CHART BZN R-223 AT BRIGR.
CHART BZN R-320 AT KICDO.
CHART BZN R-306 AT ZOPKA.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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 12	4643	1/2	200	4643	1/2	200	4643	1/2	200	4643	1/2	200			
S-LOC 12	4860	1/2	417	4860	1/2	417	4860	3/4	417	4860	3/4	417			
CIRCLING	4940	1	467	4940	1	467	5160	2	687	5360	3	887			

CHANGES - REASONS

1. ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 12 CAT C/D VISIBILITY TO 1 1/8 SM. - TO REMOVE NOTAM FDC 1/3055.
2. ADDED NA WHEN LOCAL WEATHER NOT AVAILABLE TO ALTERNATE MINIMUMS. - 8260.19I 8-6-11 B(4).
3. ADDITIONAL FLIGHT DATA: REMOVED "LOC ONLY." - REMOVED IAW IMPLEMENTATION OF FAA ORDER 8260.19I - FLIGHT PROCEDURES AND AIRSPACE, DATED JUNE 29, 2020.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZLC, BIG SKY APP CON, BZN ATCT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

Digitally signed by

DATE

JON DENTON

Feb 23, 2022

DEVELOPED BY

JON DENTON (BARBARA GORMAN)

Digitally signed by

JON DENTON

Feb 23, 2022

OFFICE

AJV-A432

DATE

12/07/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Feb 23, 2022

OFFICE

AJV-A430

DATE

TITLE
MANAGER

