

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
BDH	VOR RWY 31	1	WILLMAR	MN		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
1126	1126	VOR RWY 31	ORIG-C	05/20/2021	4E	2000
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
BDH		25 JANUARY 2024	ROUTINE			

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>
CLAPS INT		BDH VOR/DME					063.38	9.04	3100

MISSED APPROACH

MAP:

BDH VOR/DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3100 DIRECT BDH VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	R	SIDE OF COURSE	135.98	OUTBOUND	2800	FT WITHIN	10	MILES OF	BDH VOR/DME (IAF)
2.									
3. FAC:	315.98	FAF:				DIST FAF TO MAP:		DIST FAF TO THLD:	
4. MIN ALT:	EBNOW/BDH 2.26 DME 1800*								
8. MSA FROM:	BDH VOR/DME 3100								

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 3 AND 21.

*1860 WHEN USING OLIVIA RGNL ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CLAPS ON T462 WESTBOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OLIVIA ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND S-31 VISIBILITY CAT C AND D 1/8 SM; INCREASE EBNOW FIX MINIMUMS VISIBILITY CAT C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM.

CHART NOTE: VDP NA WHEN USING OLIVIA RGNL ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART 3100 PRIOR TO BDH VOR/DME IN PROFILE.

HOLD SE, LT, 315.98 INBOUND.

CHART FAS OBST: 1267 BUILDING (27-070193) 450622N/0950432W.

CHART VDP AT 1.38 DME.

DISTANCE VDP TO THLD 1.08 NM.

FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.

EBNOW TO RW31: 3.00/49.



MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 900-2 3/4, 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-31	1800	1	674	1800	1	674	1800	1 7/8	674	1800	1 7/8	674			
CIRCLING	1800	1	674	1800	1	674	1800	2	674	1960	2 3/4	834			
EBNOW FIX MINIMUMS															
S-31	1520	1	394	1520	1	394	1520	1 1/8	394	1520	1 1/8	394			
CIRCLING	1580	1	454	1600	1	474	1660	1 1/2	534	1960	2 3/4	834			

CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED DWN VORTAC FEEDER FROM PROCEDURE - DWN VORMON NATL PROGRAM.
2. TERMINAL ROUTES: CHANGED CLAPS INT TO BDH VOR/DME SEGMENT DISTANCE FROM 9.03 TO 9.04 AND ALTITUDE FROM 2800 TO 3100 - CURRENT EVALUATION AND TO MATCH PT ENTRY ALTITUDE.
3. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 2800 DIRECT BDH VOR/DME AND HOLD" TO "CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3100 DIRECT BDH VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100" - OBSTACLE MANDATES MIN HOLDING ALTITUDE OF 3100.
4. PROFILE LINE 1: CHANGED COURSE FROM 135.93 TO 135.98 - PT COURSE ALIGNED TO FAC.
5. PROFILE LINE 3: CHANGED FAC FROM 315.93 TO 315.98 - FAC ALIGNED TO EXTENDED RWY CENTERLINE.
6. PROFILE LINE 4: CHANGED MIN ALT FROM "EBNOW/BDH 2.28 DME 1800*" TO "EBNOW/BDH 2.26 DME 1800*" - EBNOW PT SDF RELOCATED BASED ON GPA/TCH.
7. ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CLAPS ON T462 WESTBOUND" - TURN EXCEEDS 90 DEGREES.
8. CHANGED BACKUP ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OLIVIA ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND INCREASE CIRCLING CAT D VISIBILITY 1/4 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OLIVIA ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND S-31 VISIBILITY CAT C AND D 1/8 SM; INCREASE EBNOW FIX MINIMUMS VISIBILITY CAT C AND D 1/4 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM" - PER UPDATED 8260.3E TABLE 3-3-1
9. CHANGED CHART NOTE FROM "CHART NOTE: CIRCLING RWY 3, 21 NA" TO "CIRCLING NA TO RWYS 3 AND 21" - UPDATED TO CURRENT FORMAT.
10. ADDITIONAL FLIGHT DATA: CHANGED FROM "HOLD SE, LT, 315.93 INBOUND" TO "HOLD SE, LT, 315.98 INBOUND" - HOLDING COURSE CHANGED TO ALIGN WITH FINAL COURSE.
11. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "1255 BLDG 450622N/0950432W" TO "1267 BUILDING (27-070193) 450622N/0950432W" - NEW CONTROLLING OBSTACLE.
12. ADDITIONAL FLIGHT DATA: CHANGED FROM "FAC CROSSES RWY C/L EXTENDED 2995 FT FROM THLD" TO "FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD" - 8260.3E 4-2-4 A(1).
13. ADDITIONAL FLIGHT DATA: CHANGED FROM "EBNOW TO RW31: 2.97/49" TO "EBNOW TO RW31: 3.00/49" - VDA CHANGED FROM 2.97 TO 3.00 TO MATCH VGSI.
14. ADDITIONAL FLIGHT DATA: ADDED "CHART 3100 PRIOR TO BDH VOR/DME IN PROFILE" - 8260.19I, PARA 8-6-7(A)2.
15. CHANGED S-31 CAT C VISIBILITY FROM 2 TO 1 7/8 AND CAT D VISIBILITY FROM 2 1/4 TO 1 7/8 - PER UPDATED 8260.3E TABLE 3-3-1.
16. CHANGED EBNOW FIX MINIMUMS S-31 CAT C VISIBILITY FROM 1 TO 1 1/8 AND CAT D VISIBILITY FROM 1 1/4 TO 1 1/8 - PER UPDATED 8260.3E TABLE 3-3-1.
17. CHANGED EBNOW FIX MINIMUMS CIRCLING CAT A AND B MDA/HAA FROM 1620/494 TO 1600/474 - NEW CONTROLLING OBSTACLES.

