

LOC/DME I-BIS	APP CRS	Rwy Ldg	8794
110.3	311°	TDZE	1645
Chan 40		Apt Elev	1661

ILS or LOC RWY 31

BISMARCK MUNI (BIS)

DME required for procedure entry.

Autopilot coupled approach NA below 2680.
For inop ALS, increase S-LOC 31 OFTEN FIX Cat C/D
minimums visibility to RVR 5500.

MALSR

MISSED APPROACH: Climb to 2800 then climbing
right turn to 3600 direct BIS VOR/DME and hold.

ATIS 119.35	BISMARCK APP CON★ 126.3 298.9	BISMARCK TOWER★ 118.3 (CTAF) 0 257.8	GND CON 121.9	UNICOM 122.95
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The main chart illustrates the ILS/LOC RWY 31 approach. Key features include:

- Localizer:** 110.3, I-BIS, Chan 40.
- MSA:** 25 NM, 4500 ft, 3600 ft, 3500 ft.
- Approach:** 311° heading, 3500 ft altitude, 4 NM holding pattern.
- Obstacles:** 1701 ft, 3500 ft, 156° (4).
- Navigation Aids:** (IAF) HIPNU BIS 16, (IAF) YIRNU BIS 16, (IF) WIGAG BIS 16.
- Altitudes:** 2800, 3600, 3500, 3300, 3100, 2300, 2000, 1845, 1799, 1740, 1661, 1645.
- Angles:** 311°, 131°, 156°, 120°, 102°, 109°, 131°, 131°, 131°.
- Distances:** 1 NM, 0.9 NM, 3.8 NM, 4 NM, 6000 ft, 3500 ft, 2300 ft, 2000 ft, 1845 ft, 1799 ft, 1740 ft, 1661 ft, 1645 ft.

2800	3600	BIS	Use I-BIS DME when on the localizer course.	ICONO INT I-BIS 7.3	4 NM Holding Pattern
*LOC only.	*I-BIS				
I-BIS 1.6	I-BIS 2.6				
2300*	2300				
1 NM	0.9 NM	3.8 NM			
CATEGORY	A	B	C	D	
S-ILS 31	1845/24	200 (200-½)			
S-LOC 31	2300/24 655 (700-½)	2300-1⅓ 655 (700-1⅓)			
CIRCLING	2300-1 639 (700-1)	2460-2¼ 799 (800-2¼)	2460-2½ 799 (800-2½)		
OFTEN FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)					
S-LOC 31	2020/24 375 (400-½)	2020/35 375 (400-½)			
CIRCLING	2240-1 579 (600-1)	2460-2¼ 799 (800-2¼)	2460-2½ 799 (800-2½)		

The detailed approach diagram shows the final approach and holding pattern. Key features include:

- Altitudes:** 2800, 3600, 3500, 3300, 3100, 2300, 2000, 1845, 1799, 1740, 1661, 1645.
- Distances:** 1 NM, 0.9 NM, 3.8 NM, 4 NM, 6000 ft, 3500 ft, 2300 ft, 2000 ft, 1845 ft, 1799 ft, 1740 ft, 1661 ft, 1645 ft.
- Angles:** 311°, 131°, 156°, 120°, 102°, 109°, 131°, 131°, 131°.
- Navigation Aids:** (IAF) HIPNU BIS 16, (IAF) YIRNU BIS 16, (IF) WIGAG BIS 16.
- Obstacles:** 1701 ft, 3500 ft, 156° (4).

BISMARCK, NORTH DAKOTA

Amdt 34A 13SEP18

46°46'N-100°45'W

BISMARCK MUNI (BIS)

ILS or LOC RWY 31