

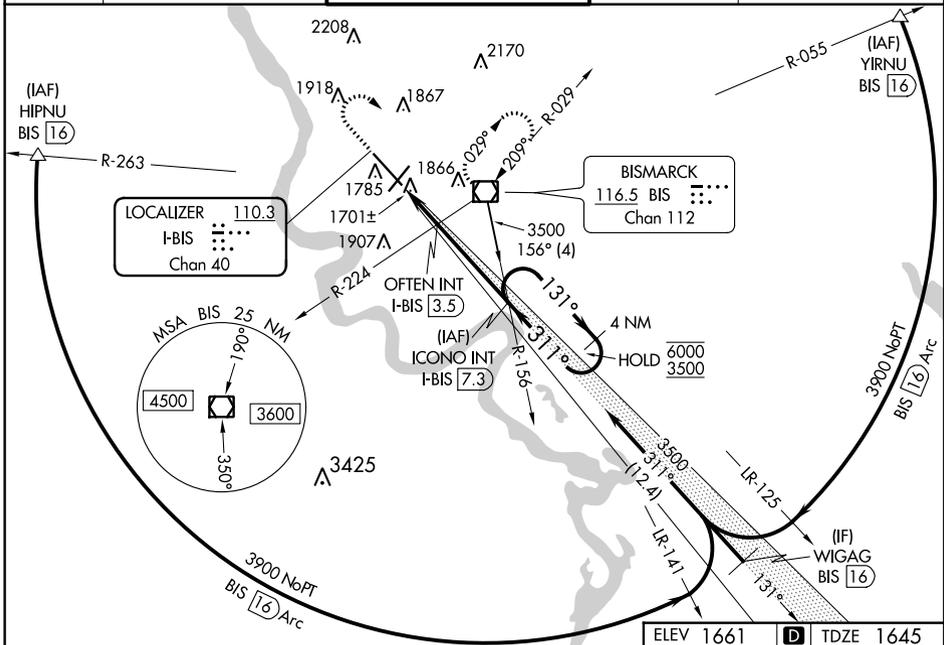
ILS or LOC RWY 31

BISMARCK MUNI (BIS)

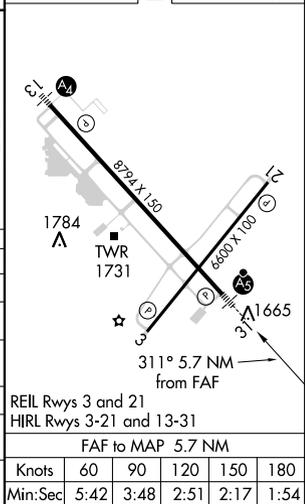
LOC/DME I-BIS 110.3 Chan 40	APP CRS 311°	Rwy Idg TDZE Apt Elev	8794 1645 1661
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DME required for procedure entry.		MALSR	MISSED APPROACH: Climb to 2800 then climbing right turn to 3600 direct BIS VOR/DME and hold.
Autopilot coupled approach NA below 2680. For inop ALS, increase S-LOC 31 OFTEN FIX Cat C/D minimums visibility to RVR 5500.		ASR -35°C	

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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ELEV 1661	D	TDZE 1645		
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 2.6	GS 3.00° TCH 48		
I-BIS 1.6	OFTEN INT I-BIS 3.5	3500		
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)	2300-1¾	655 (700-1¾)
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 (400-¾)
CIRCLING	2240-1	579 (600-1)	2460-2¼ 799 (800-2¼)	2460-2½ 799 (800-2½)



WAAS CH 63099 W03A	APP CRS 032°	Rwy Idg TDZE Apt Elev	6600 1661 1661
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RNAV (GPS) RWY 3

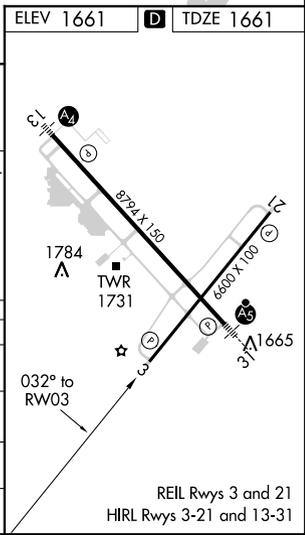
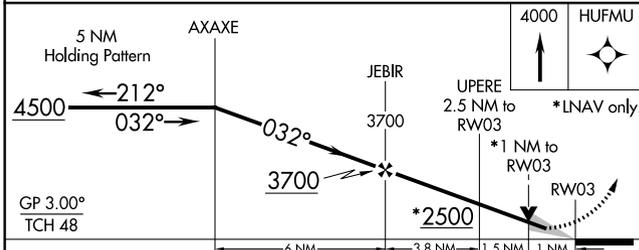
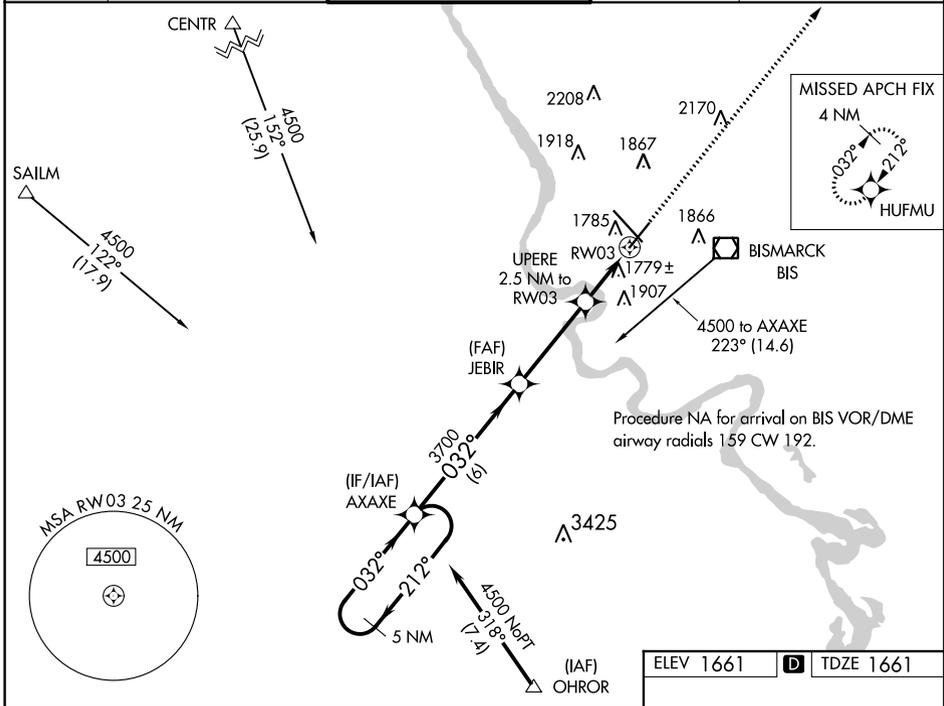
BISMARCK MUNI (BIS)

ASR -35°C

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 33°C (91°F). DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 4000 direct HUFMU 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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CATEGORY	A	B	C	D
LPV DA		1861-3/4	200 (200-3/4)	
LNAV/VNAV DA		2081-13/8	420 (500-13/8)	
LNAV MDA		2040-1	379 (400-1)	
CIRCLING	2240-1	579 (600-1)	2240-1 1/2 579 (600-1 1/2)	2320-2 659 (700-2)

NC-1, 28 MAR 2019 to 25 APR 2019

NC-1, 28 MAR 2019 to 25 APR 2019

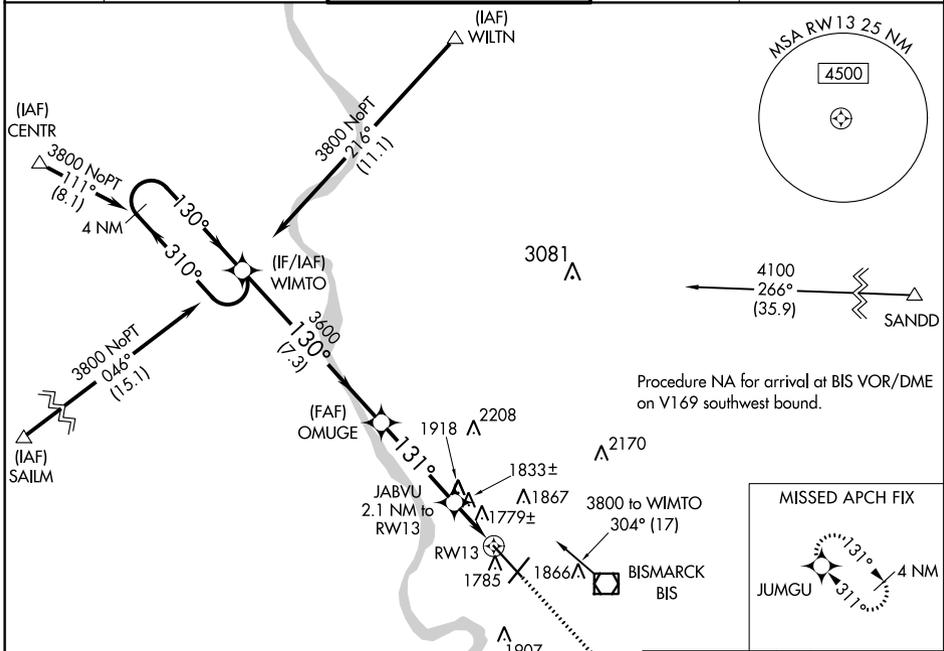
WAAS CH 86920 W13A	APP CRS 131°	Rwy Idg 8794 TDZE 1655 Apt Elev 1661
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RNAV (GPS) RWY 13

BISMARCK MUNI (BIS)

ASR -35°C	Inoperative table does not apply. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 33°C (91°F). DME/DME RNP-0.3 NA.	MALS 	MISSED APPROACH: Climb to 3700 direct JUMGU and hold.
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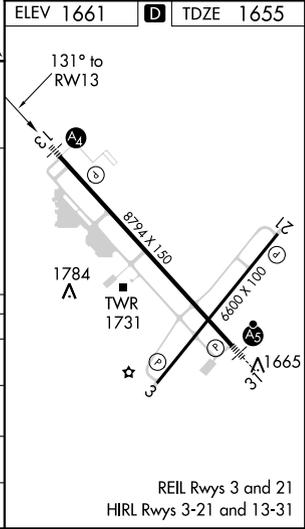
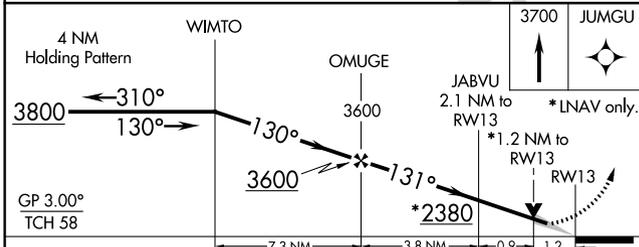
ATIS 119.35	BISMARCK APP CON * 126.3 298.9	BISMARCK TOWER * 118.3 (CTAF) 257.8	GND CON 121.9	UNICOM 122.95
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NC-1, 28 MAR 2019 to 25 APR 2019

NC-1, 28 MAR 2019 to 25 APR 2019

ELEV 1661	D	TDZE 1655
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CATEGORY	A	B	C	D
LPV DA	1855-3/4		200 (200-3/4)	
LNAV/VNAV DA	2083-1 3/8		428 (500-1 3/8)	
LNAV MDA	2100-1	445 (500-1)	2100-1 3/8	445 (500-1 3/8)
CIRCLING	2240-1	579 (600-1)	2240-1 1/2	2320-2 659 (700-2)

REIL Rwy 3 and 21
HIRL Rwy 3-21 and 13-31

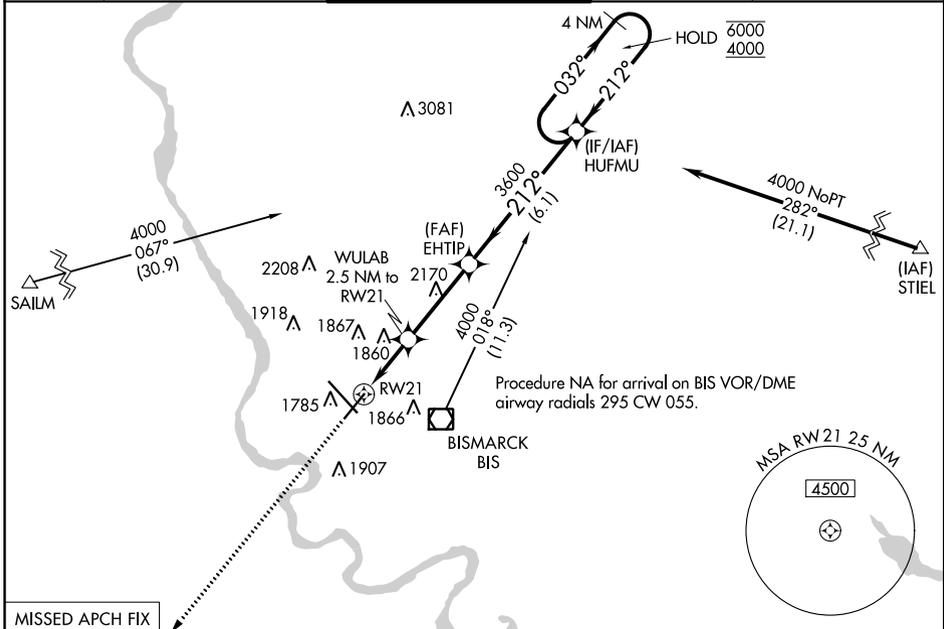
WAAS CH 53520 W21A	APP CRS 212°	Rwy ldg TDZE Apt Elev	6600 1661 1661
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RNAV (GPS) RWY 21

BISMARCK MUNI (BIS)

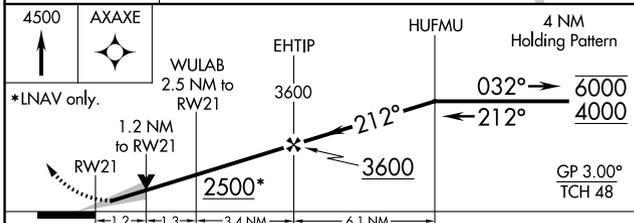
RNP APCH.		MISSED APPROACH: Climb to 4500 direct AXAXE and hold.	
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -22°C or above 54°C. -35°C			

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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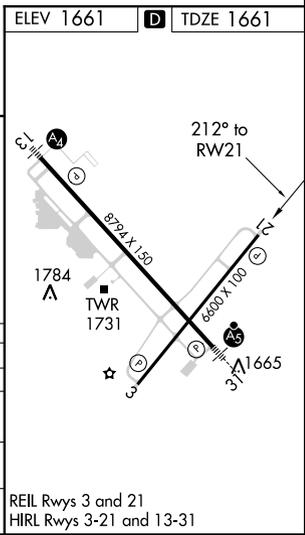


NC-1, 28 MAR 2019 to 25 APR 2019

NC-1, 28 MAR 2019 to 25 APR 2019



CATEGORY	A	B	C	D
LPV DA		1861-3/4	200 (200-3/4)	
LNAV/VNAV DA		1970-7/8	309 (400-7/8)	
LNAV MDA	2100-1	439 (500-1)	2100-1 1/4	439 (500-1 1/4)
CIRCLING	2200-1	539 (600-1)	2460-2 1/4 799 (800-2 1/4)	2460-2 1/2 799 (800-2 1/2)



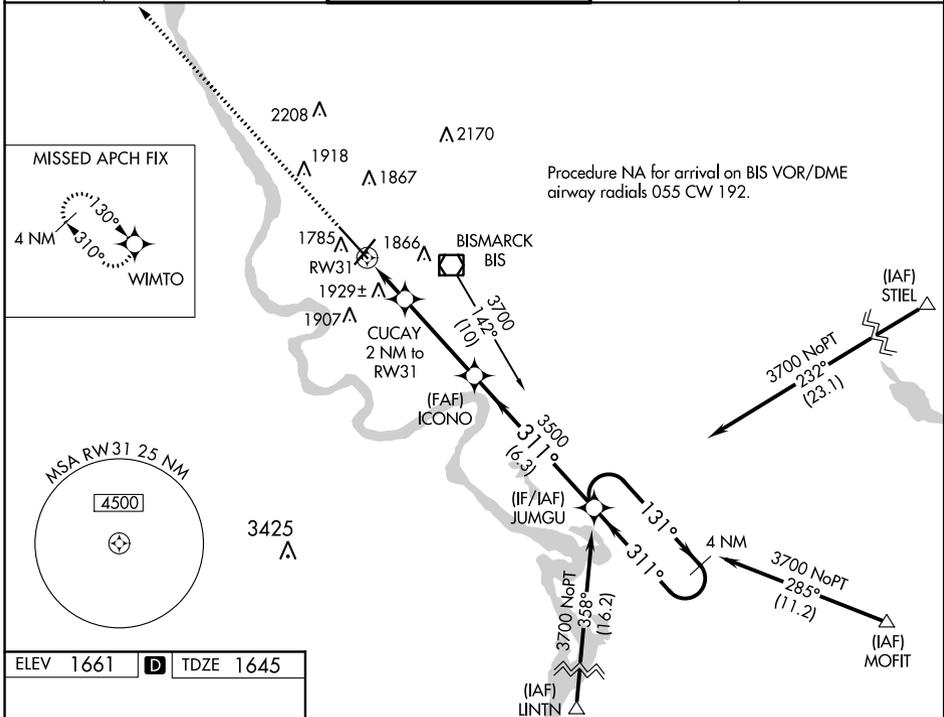
WAAS CH 56599 W31A	APP CRS 311°	Rwy Idg TDZE Apt Elev	8794 1645 1661
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RNAV (GPS) RWY 31

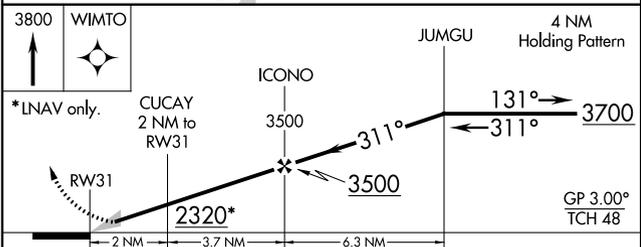
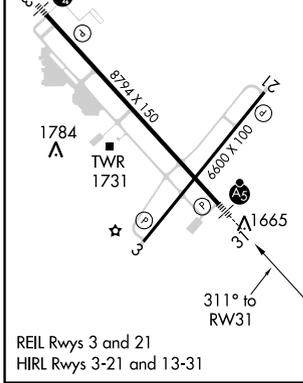
BISMARCK MUNI (BIS)

<p>ASR</p> <p>-35°C</p>	<p>For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -18°C (0°F) or above 33°C (91°F). DME/DME RNP-0.3 NA. ** RVR 1800 authorized with use of FD or AP or HUD to DA.</p>	<p>MALSR</p> <p>AS</p>	<p>MISSED APPROACH: Climb to 3800 direct WIMTO and hold.</p>
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<p>ATIS</p> <p>119.35</p>	<p>BISMARCK APP CON*</p> <p>126.3 298.9</p>	<p>BISMARCK TOWER*</p> <p>118.3 (CTAF) 0 257.8</p>	<p>GND CON</p> <p>121.9</p>	<p>UNICOM</p> <p>122.95</p>
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ELEV 1661	D	TDZE 1645
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CATEGORY	A	B	C	D
LPV DA	1845/24 200 (200-1/2)			
LNAV/VNAV DA	2269-1 3/4 624 (700-1 3/4)			
LNAV MDA	2180/24	535 (600-1/2)	2180/55	535 (600-1)
CIRCLING	2240-1	579 (600-1)	2240-1 1/2	2320-2
			579 (600-1 1/2)	659 (700-2)

NC-1, 28 MAR 2019 to 25 APR 2019

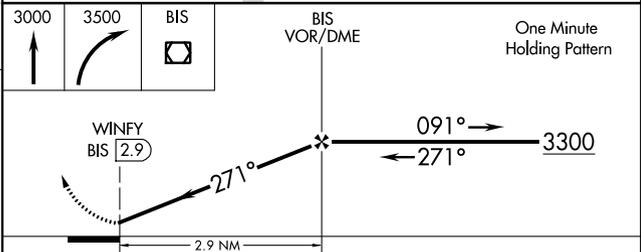
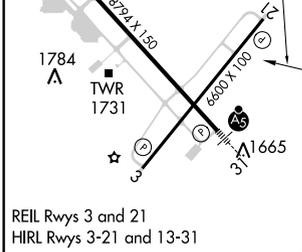
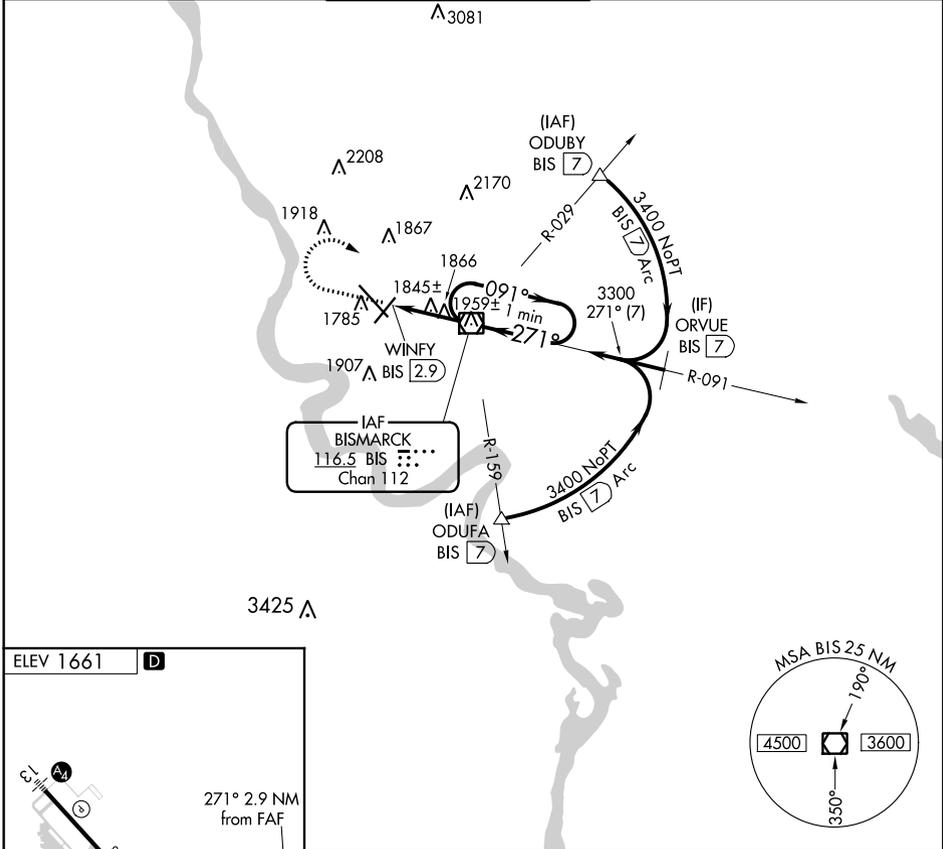
NC-1, 28 MAR 2019 to 25 APR 2019

VOR/DME BIS 116.5 Chan 112	APP CRS 271°	Rwy Ldg TDZE Apt Elev N/A N/A 1661
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VOR-A
BISMARCK MUNI (BIS)

ASR -35°C	MISSED APPROACH: Climb to 3000 then climbing right turn to 3500 direct BIS VOR/DME and hold.
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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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FAF to MAP 2.9 NM					
Knots	60	90	120	150	180
Min:Sec	2:54	1:56	1:27	1:10	0:58
CATEGORY	A		B		
CIRCLING	2240-1		579 (600-1)		2240-1½ 579 (600-1½)
				C	
				D	
				2320-2 659 (700-2)	

NC-1, 28 MAR 2019 to 25 APR 2019

NC-1, 28 MAR 2019 to 25 APR 2019

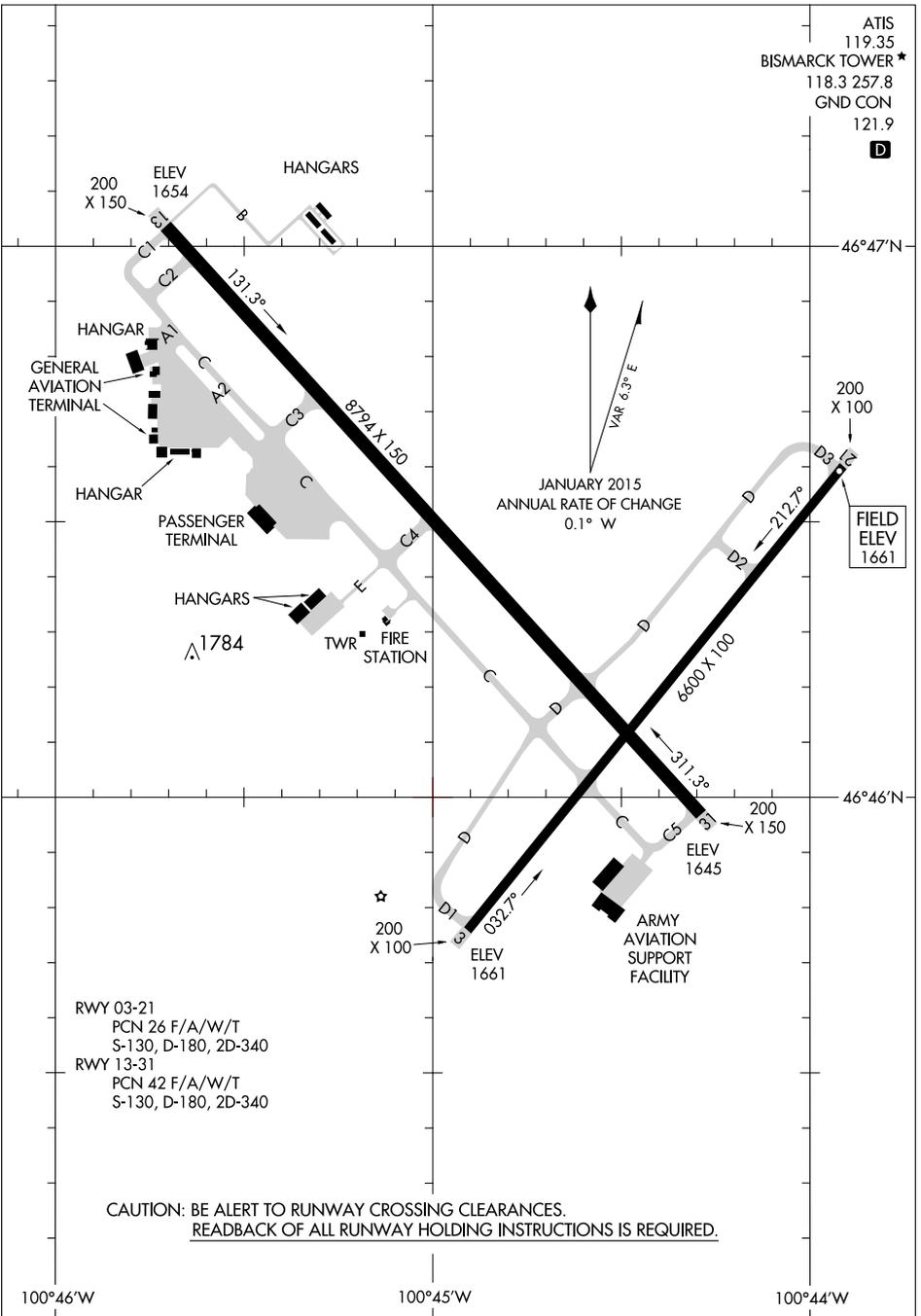
19003

AIRPORT DIAGRAM

AL-51 (FAA)

BISMARCK MUNI (BIS)
BISMARCK, NORTH DAKOTA

ATIS 119.35
 BISMARCK TOWER ★ 118.3 257.8
 GND CON 121.9
D



RWY 03-21
 PCN 26 F/A/W/T
 S-130, D-180, 2D-340
 RWY 13-31
 PCN 42 F/A/W/T
 S-130, D-180, 2D-340

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READEBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

NC-1, 28 MAR 2019 to 25 APR 2019

NC-1, 28 MAR 2019 to 25 APR 2019

AIRPORT DIAGRAM

19003

BISMARCK, NORTH DAKOTA
BISMARCK MUNI (BIS)