

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
BIS VOR/DME	JUMGU (FO)	142.42 / 9.99	3700	LPV: DA LNAV/VNAV: DA LNAV: RW31			
LINTN (IAF)	JUMGU (NOPT) (FB)	357.75 / 16.16	3700				
MOFIT (IAF)	JUMGU (NOPT) (FB)	284.52 / 11.17	3700	CLIMB TO 3800 DIRECT WIMTO AND HOLD.			
STIEL (IAF)	JUMGU (NOPT) (FB)	232.00 / 23.07	3700				
JUMGU (IF/IAF)	ICONO (FB)	310.74 / 6.33	3500	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 130.42 INBOUND. CHART FAS OBST: 1929 TREE 464438N/1004341W CHART: ASR. DISTANCE TO THLD FROM 200 HATH: 0.48 NM. WAAS CHANNEL # 56599 REFERENCE PATH ID: W31A LTP HAE: 479.9 M			
ICONO (FAF)	CUCAY/2.00 NM TO RW31 (FB)	310.67 / 3.67					
(SEE FORM 8260-10)							

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD SE JUMGU, RT, 310.74 INBOUND, 3700 FT. IN LIEU OF PT (IAF)	
3. FAC: 310.67 FAF: ICONO DIST FAF TO MAP: 5.67 THLD: 5.67	
4. MIN. ALT: JUMGU 3700, ICONO 3500, CUCAY/2.00 NM TO RW31 2320*	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: 3500 GS ALT AT: ICONO 3500 OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: 3.00 TCH: 48.1 34:1 IS CLEAR	
8. MSA FROM: RW31 4500	

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD			
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1845	2400	200	1845	2400	200	1845	2400	200	1845	2400	200			
LNAV/VNAV DA	2269	1 3/4	624	2269	1 3/4	624	2269	1 3/4	624	2269	1 3/4	624			
LNAV MDA	2180	2400	535	2180	2400	535	2180	5500	535	2180	5500	535			
CIRCLING	2240	1	579	2240	1	579	2240	1 1/2	579	2320	2	659			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 33C (91F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 *LNAV ONLY
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BIS VOR/DME AIRWAY RADIALS 055 CW 192.

CITY AND STATE BISMARCK, ND	ELEVATION: 1661	THRE: 1645	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 05 MAY 2011	SUP:	
	AIRPORT NAME:				AMDT:	ORIG-A
	BISMARCK MUNI				DATED	07/31/2008

QUALITY
2
CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CUCAY/2.00 NM TO RW31	RW31 (MAP) (FO)	310.62 / 2.00	
RW31 (MAP)	1845 MSL	310.62	
1845 MSL	WIMTO (FO)		3800

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BISMARCK, ND

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBIS
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	464558.1450N
LTP/FTP LONGITUDE	1004417.2310W
LTP/FTP ELLIPSOIDAL HEIGHT	+04799
FPAP LATITUDE	464703.9100N
FPAP LONGITUDE	1004544.6600W
THRESHOLD CROSSING HEIGHT (TCH)	00048.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

46DA911B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05014
FPAP ORTHOMETRIC HEIGHT	+05014

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBISK3FR31	ABIS	010BIS	K3D 0V	IF					18000		A JS	
SUSAP	KBISK3FR31	ABIS	020JUMGUK3EA0EY	020TF			14240100	+ 03700				A JS	
SUSAP	KBISK3FR31	ABIS	030JUMGUK3EA0EE	AR HF			31070040	+ 03700				A JS	
SUSAP	KBISK3FR31	ALINTN	010LINTNK3EA0E	A IF						18000		A JS	
SUSAP	KBISK3FR31	ALINTN	020JUMGUK3EA0EE	B 010TF			35780162	+ 03700				A JS	
SUSAP	KBISK3FR31	AMOFIT	010MOFITK3EA0E	A IF						18000		A JS	
SUSAP	KBISK3FR31	AMOFIT	020JUMGUK3EA0EE	B 010TF			28450112	+ 03700				A JS	
SUSAP	KBISK3FR31	ASTIEL	010STIELK3EA0E	A IF						18000		A JS	
SUSAP	KBISK3FR31	ASTIEL	020JUMGUK3EA0EE	B 010TF			23200231	+ 03700				A JS	
SUSAP	KBISK3FR31	R	010JUMGUK3EA0E	I IF				+ 03700		18000		A JS	
SUSAP	KBISK3FR31	R	020ICONOK3EA1E	F 051TF			31070063	+ 03500			RW31	K3PGA	JS
SUSAP	KBISK3FR31	R	020ICONOK3EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KBISK3FR31	R	021CUCAYK3EA0E	S 031TF			31070037	V 0232002330		-300		A JS	
SUSAP	KBISK3FR31	R	030RW31 K3PG0GY	M 031TF			31060020	01693		-300		A JS	
SUSAP	KBISK3FR31	R	040	0 M 010CA			3106	+ 01845				A JS	

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