

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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</u> MILBANK MUNI	<u>AIRPORT ID</u> 1D1	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> MILBANK	<u>STATE</u> SD	
<u>AIRPORT ELEVATION</u> 1118	<u>TDZE</u> 1117	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 03/20/2003	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 222/30 CW 042/30		222/20 CW 042/20		3600
2. 222/20 CW 042/20	NOPT	IYJER	IF/IAF	3400
3. 042/30 CW 132/30		042/18 CW 132/18		3900
4. 042/18 CW 132/18		LUZOL	IAF	3500
5. 132/30 CW 222/30		FOFZE	IAF	3400

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>
FOFZE	IAF	IYJER	NOPT	TF	FB	1.00	222.42	5.00	3400
LUZOL	IAF	IYJER	NOPT	TF	FB	1.00	042.30	5.00	3400
IYJER	IF/IAF	UCUDA		TF	FB	1.00	312.36	5.00	2800
UCUDA	FAF	RW31	MAP	TF	FO	0.30	312.31	5.17	
RW31	MAP	1517 MSL		CA			312.31		
1517 MSL		MORRE		DF	FO	1.00			3400

QUALITY
10
CHECKED

MISSED APPROACH

MAP:
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 3400 DIRECT MORRE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)	
2.	HOLD SE IYJER, RT, 312.36 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 10000.				
3. FAC:	312.31	FAF: UCUDA	DIST FAF TO MAP:	DIST FAF TO THLD: 5.17	
4. MIN ALT:	IYJER 3400, UCUDA 2800				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	
6. MIN GP INCPT:	GP ALT AT FAF :		OM:	MM:	IM:
7. GP ANGLE:	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH:		
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORTONVILLE MUNI-MARTINSON FIELD ALTIMETER SETTING AND INCREASE MDAS 20 FEET.

ADDITIONAL FLIGHT DATA:

UCUDA TO RW31: 3.00/40.
FAS OBST: 1246 DIRT MOUND 451236N/0963136W.
HOLD NW, RT, 132.13 INBOUND

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

ALTERNATE: NA ☒

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
LNAV MDA	1720	1	603	1720	1	603		NA			NA				
CIRCLING	1720	1	602	1720		602		NA			NA				



CHANGES - REASONS

1. CHANGES FROM NOTAM FOR ORIG-A INCORPORATED INTO FORMS - IAW 8260.19H PARA 8-3-4 C(3).
2. CHANGED TAA LEFT BASE 042/18 CW 132/18 TO LUZOL MINIMUM ALTITUDE FROM 3400 TO 3500 - NEW CNTL OBSTACLE 2477 TOWER (46-020173) 450109.67N/0965643.94W, IAW FDC 8/2729.
3. ADDED NOTE 34:1 IS NOT CLEAR - IWA 8260.19H 8-6-7 G(3).
4. ADDED 34:1 PENETRATIONS OF VISUAL SURFACE AREA - PREVIOUSLY UNDOCUMENTED.
5. CHANGED PRIMARY ALTIMETER SOURCE FROM WATERTOWN MUNI (KATY) TO MILBANK MUNI (K1D1) - LOCAL ALTIMETER SETTING AVAILABLE, AWOS-2 INSTALLED AT K1D1.
6. ADDED SECONDARY ALTIMETER SOURCE OF ORTONVILLE MUNI-MARTINSON FIELD (KVVV) - PROVIDES BACKUP ALTIMETER, SOURCE.
7. CHANGED FIELD ELEVATION FROM 1116 TO 1118 AND TDZE FROM 1114 TO 1117 - UPDATED AIRNAV DATA.
8. CHANGED HAA FROM 604 TO 602 AND HAT FROM 606 TO 603 - UPDATED FIELD ELEVATION AND TDZE.
9. ADDED CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED - IAW FDC 8/2729, 34:1 SURFACE IS PENETRATED.
10. ADDED LOCAL ALTIMETER SETTING NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORTONVILLE MUNI-MARTINSON FIELD ALTIMETER SETTING AND INCREASE MDAS 20 FEET - NEW PRIMARY/SECONDARY ALT SOURCES.
11. REMOVED DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENT NOTE: RNP APCH - 8260.19H 8-6-8 B AND 8260.58A TABLE 1-2-1.
12. INTERMEDIATE SEGMENT RNP CODE CHANGED FROM 0.50 TO 1.00. - IAW 8260-58 TABLE 1-2-1.

PDF EDIT - REMOVED ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED FROM 8260-9 PART C.

COORDINATED WITH:

A4A ☐ ALPA ☐ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: AMGR, ZMP.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

WARDELL HENNING (GORDON LEMON)

Digitally signed by
WARDELL HENNING
Apr 11, 2019

OFFICE

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Apr 11, 2019

DATE

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AJV-A432

DATE

03/06/2019

APPROVED BY

PATRICK MULQUEEN

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TITLE
MANAGER

