

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FATIT (IAF)	ANIMY (NOPT) (FB)	240.72 / 5.00	2900
BIGIW (IAF)	ANIMY (NOPT) (FB)	060.58 / 5.00	2900
ANIMY (IF/IAF)	CERIB (FB)	330.65 / 6.24	2600

LPV: DA
LNAV/VNAV: DA
LNAV: RW33

CLIMB TO 2700 DIRECT HIBOG AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 150.49 INBOUND.
CHART FAS OBST: 1105 TREE 441224N/0935438W
DISTANCE TO THLD FROM 200 HAT: 0.49 NM.
CHART VDP AT 0.91 MILES TO RW33* *LNAV ONLY.
WAAS CHANNEL # 86315
REFERENCE PATH ID: W33A

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE ANIMY, RT, 330.65 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
- FAC: 330.60 FAF: CERIB DIST FAF TO MAP: 4.76 THLD: 4.76
- MIN. ALT: ANIMY 2900, CERIB 2600, PEKPE/1.50 NM TO RW33 1540*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: CERIB OM: MM: IM:
- GS ANGLE: 3.00 TCH: 44.8 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 4E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	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		1221	1/2	200	1221	1/2	200	1221	1/2	200	1221	1/2	200			
LNAV/VNAV DA		1375	3/4	354	1375	3/4	354	1375	3/4	354	1375	3/4	354			
LNAV MDA		1360	1/2	339	1360	1/2	339	1360	1/2	339	1360	1	339			
CIRCLING		1440	1	419	1480	1	459	1480	1 1/2	459	1580	2	559			

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

SEE 8260-10

CITY AND STATE MANKATO, MN	ELEVATION: 1021 TDZE: 1021 AIRPORT NAME: MANKATO RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 24 SEP 2009	SUP: AMDT: NONE DATED
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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE WASECA ALTIMETER SETTING AND INCREASE

ALL DA 57 FEET, ALL MDA 60 FEET, AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D.

CHART NOTE: WHEN USING WASECA ALTIMETER SETTING; FOR INOPERATIVE MALSR INCREASE LPV ALL CATS VISIBILITY 1/2 MILE AND LNAV CAT D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WASECA ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	241/30 CW 061/30 (NOPT)	ANIMY (IF/IAF) (FB)	2900
2.	061/30 CW 151/30	BIGIW (IAF) (FB)	3200
3.	151/30 CW 241/30	FATIT (IAF) (FB)	2900



CITY AND STATE

MANKATO, MN

ELEVATION: 1021 TDZE: 1021

AIRPORT NAME:

MANKATO RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

24 SEP 2009

SUP:

AMDT: NONE

DATED:

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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMKT
RUNWAY RW33
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W33A
LTP/FTP LATITUDE 441300.6600N
LTP/FTP LONGITUDE 0935449.8460W
LTP/FTP ELLIPSOIDAL HEIGHT +02827
FPAP LATITUDE 441359.6000N
FPAP LONGITUDE 0935528.8300W
THRESHOLD CROSSING HEIGHT (TCH) 00044.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

FD472900

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03110
FPAP ORTHOMETRIC HEIGHT +03110

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QUALITY
4
CHECKED

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMKT3FR33	AANIMY	010ANIMYK3EA0EE	AR	HF			33070040	+	02900	18000		A	JS
SUSAP KMKT3FR33	ABIGIW	010BIGIWK3EA0E	A	IF						18000		A	JS
SUSAP KMKT3FR33	ABIGIW	020ANIMYK3EA0EE		010TF			06060050	+	02900			A	JS
SUSAP KMKT3FR33	AFATIT	010FATITK3EA0E	A	IF						18000		A	JS
SUSAP KMKT3FR33	AFATIT	020ANIMYK3EA0EE		010TF			24070050	+	02900			A	JS
SUSAP KMKT3FR33	R	010ANIMYK3EA0E	I	IF				+	02900	18000		A	JS
SUSAP KMKT3FR33	R	020CERIBK3EA1E	F	051TF			33070062	+	02600			A	JS
SUSAP KMKT3FR33	R	020CERIBK3EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KMKT3FR33	R	021PEKPEK3EA0E	S	031TF			33060033	V	0154001545	-300		A	JS
SUSAP KMKT3FR33	R	030RW33	K3PGOGY	M	031TF		33060015		01065	-300		A	JS
SUSAP KMKT3FR33	R	040HIBOGK3EA0EYM		010DF				+	02700			A	JS
SUSAP KMKT3FR33	R	050HIBOGK3EA0EE		R02OHM			15050040	+	02700			A	JS

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ANIMY	ANIMY	010	IAF	HF	R	FO		330.7 (335T)	004.0	02900
	BIGIW	BIGIW	010	IAF	IF		FB				
	BIGIW	ANIMY	020		TF		FB	1.0	060.6 (065T)	005.0	02900
	FATIT	FATIT	010	IAF	IF		FB				
	FATIT	ANIMY	020		TF		FB	1.0	240.7 (245T)	005.0	02900
		ANIMY	010	FACF	IF		FB				02900
		CERIB	020	FAF	TF		FB	0.5	330.7 (335T)	006.2	02600
		PEKPE	021	SDF	TF		FB	0.3	330.6 (335T)	003.3	0154001545
		RW33	030	MAP	TF		FO	0.3	330.6 (335T)	001.5	01065

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HIBOG	040		DF		FO	1.0			02700
	HIBOG	050		HM	R	FO	2.0	150.5 (155T)	004.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANIMY	N440304.39	W0934816.87	N4403.073	W09348.281
	BIGIW	N440055.77	W0935432.58	N4400.930	W09354.543
	CERIB	N440842.88	W0935159.66	N4408.715	W09351.994
	FATIT	N440512.67	W0934200.71	N4405.211	W09342.012
	HIBOG	N442355.39	W0940204.07	N4423.923	W09402.068
	PEKPE	N441139.37	W0935356.13	N4411.656	W09353.936
	RW33	N441300.66	W0935449.85	N4413.011	W09354.831

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW33	01021	45

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1
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