

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	
ITVOY (IF/IAF)	KODMY (FB)	338.22 / 7.66	3000	LPV: DA LNAV/VNAV: DA LNAV: RW33 CLIMB TO 3000 DIRECT ZALGU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 158.07 INBOUND. CHART FAS OBST: 1449 TREE 453641N/0951806W DISTANCE TO THLD FROM 250 HATH: 0.64 NM. WAAS CHANNEL # 77931 REFERENCE PATH ID: W33A LTP HAE: 393.6 M
KODMY (FAF)	JUVCA/1.50 NM TO RW33 (FB)	338.18 / 3.46		
JUVCA/1.50 NM TO RW33	RW33 (MAP) (FO)	338.18 / 1.50		
RW33 (MAP)	1627 MSL	338.18		
1627 MSL	ZALGU (FO)		3000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S ITVOY, RT, 338.22 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 338.18 FAF: KODMY DIST FAF TO MAP: 4.96 THLD: 4.96
- MIN. ALT: ITVOY 3000, KODMY 3000, JUVCA/1.50 NM TO RW33 1880*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3000 GS ALT AT: KODMY 3000 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 4E

EPOCH YEAR: 2000

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	1627	1	250	1627	1	250	1627	1	250		NA				
LNAV/VNAV DA	1627	1	250	1627	1	250	1627	1	250		NA				
LNAV MDA	1700	1	323	1700	1	323	1700	1	323		NA				
CIRCLING	1840	1	446	1860	1	466	1860	1 1/2	466		NA				

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING ALEXANDRIA ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDE PATH NOT COINCIDENT.
 (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE GLENWOOD, MN	ELEVATION: 1394 THRE: 1377 AIRPORT NAME: GLENWOOD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, AMDT 1 2 MAY 2013	SUP:
				AMDT: ORIG
				DATED 01/13/2011

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NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALEXANDRIA ALTIMETER SETTING AND INCREASE ALL DA 36 FT AND ALL MDA 40 FT.

CHART NOTE: STRAIGHT-IN / CIRCLING RWY 33 PROCEDURE NA AT NIGHT.

CHART NOTE: CIRCLING NA TO RWYS 5/23.

TAA

	FROM	TO	ALT
1.	248/30 CW 068/30 (NOPT)	248/13 CW 068/13	3300
2.	248/13 CW 068/13	ITVOY (IF/IAF) (FB)	3000
3.	068/30 CW 248/30	068/13 CW 248/13	3600
4.	068/13 CW 248/13	ITVOY (IF/IAF) (FO)	3000

QUALITY
CHECKED

CITY AND STATE
GLENWOOD, MN

ELEVATION: 1394 THRE: 1377
AIRPORT NAME:
GLENWOOD MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 33, AMDT 1
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RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
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 KGHW
RUNWAY RW33
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W33A
LTP/FTP LATITUDE 453811.0545N
LTP/FTP LONGITUDE 0951903.1840W
LTP/FTP ELLIPSOIDAL HEIGHT +03936
FPAP LATITUDE 453935.8400N
FPAP LONGITUDE 0951942.1200W
THRESHOLD CROSSING HEIGHT (TCH) 00045.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1376
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

DDBE6218

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +04196
FPAP ORTHOMETRIC HEIGHT +04196



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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KGHWK3FR33	AITVOY	010ITVOYK3EA0EE	AR	HF			33820040	+	03000	18000		A JS	
SUSAP KGHWK3FR33	R	010ITVOYK3EA0E	I	IF				+	03000	18000		A JS	
SUSAP KGHWK3FR33	R	020KODMYK3EA1E	F	051TF			33820077	+	03000			A JS	
SUSAP KGHWK3FR33	R	020KODMYK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KGHWK3FR33	R	021JUVC AK3EA0E	S	031TF			33820035	V	0188001899	-300		A JS	
SUSAP KGHWK3FR33	R	030RW33 K3PG0GY	M	031TF			33820015		01422	-300		A JS	
SUSAP KGHWK3FR33	R	040	0	M	CA		3382	+	01627			A JS	
SUSAP KGHWK3FR33	R	050ZALGUK3EA0EY		DF				+	03000			A JS	
SUSAP KGHWK3FR33	R	060ZALGUK3EA0EE	R	HM			15810040	+	03000			A JS	

[illegible][illegible]

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ITVOY	ITVOY	010	IAF	HF	R	FO		338.2(342.2T)	004.0	AA 03000	
		ITVOY	010	FACF	IF		FB				AA 03000	
		KODMY	020	FAF	TF		FB	0.5	338.2(342.2T)	007.7	AA 03000	
		JUVCA	021	SDF	TF		FB	0.3	338.2(342.2T)	003.5	AA 01880 GS 01899	
		RW33	030	MAP	TF		FO	0.3	338.2(342.2T)	001.5	AT 01422	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		338.2(342.2T)		AA 01627	
	ZALGU	050		DF		FO				AA 03000	
	ZALGU	060		HM	R	FO		158.1(162.1T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ITVOY	N452610.30	W0951333.56	N4526.172	W09513.559
	JUVCA	N453645.40	W0951823.88	N4536.757	W09518.398
	KODMY	N453328.05	W0951653.46	N4533.468	W09516.891
	ZALGU	N455053.76	W0952454.82	N4550.896	W09524.914
	RW33	N453811.05	W0951903.18	N4538.184	W09519.053

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	01377	45

QUALITY
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	AIRPORT NAME:			RNAV (GPS) RWY 33, AMDT 1	AMDT: ORIG
	GLENWOOD MUNI	RNAV	2 MAY 2013	DATED: 01/13/2011	