

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR 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	
JAGOG (IAF)	ZUMAB (NOPT) (FB)	004.09 / 10.00	2500	LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 2500 DIRECT YEBUG AND HOLD.
KESIW (IAF)	ZUMAB (NOPT) (FB)	184.09 / 10.00	2500	
ZUMAB (IF/IAF)	JUVNU (FB)	274.09 / 6.04	2200	
JUVNU (FAF)	TULTE/2.50 NM TO RW27 (FB)	273.98 / 2.38		ADDITIONAL FLIGHT DATA: HOLD W, RT, 093.69 INBOUND. CHART FAS OBST: 730 RIG 454309N/0870350W DISTANCE TO THLD FROM 250 HATH: 0.62 NM. WAAS CHANNEL # 63128 REFERENCE PATH ID: W27A CHART WAAS SYMBOL *LNAV ONLY LTP HAE: 144.9 M
TULTE/2.50 NM TO RW27	RW27 (MAP) (FO)	273.94 / 2.50		
RW27 (MAP)	843 MSL	273.94		
843 MSL	YEBUG (FO)		2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E ZUMAB, RT, 274.09 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 273.98 FAF: JUVNU DIST FAF TO MAP: 4.88 THLD: 4.88
- MIN. ALT: ZUMAB 2500, JUVNU 2200, TULTE/2.50 NM TO RW27 1440*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: JUVNU 2200 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 53.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 3W

EPOCH YEAR: 1985

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	843	1	250	843	1	250	843	1	250	843	1	250			
LNAV/VNAV DA	1073	1 5/8	480	1073	1 5/8	480	1073	1 5/8	480	1073	1 5/8	480			
LNAV MDA	1040	1	447	1040	1	447	1040	1 3/8	447	1040	1 3/8	447			
CIRCLING	1060	1	451	1060	1	451	1240	1 3/4	631	1280	2 1/4	671			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING SAWYER INTL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 40C (104F).
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 27 PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

© CAT D 800-2 1/4

© NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE ESCANABA, MI	ELEVATION: 609 THRE: 593 AIRPORT NAME: DELTA COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1 31 MAY 2012	SUP:
				AMDT: ORIG
				DATED 05/07/2009

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NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAWYER INTL ALTIMETER SETTING: INCREASE

ALL DA 178 FT AND ALL MDA 180 FT, INCREASE LPV ALL CATS VISIBILITY 3/8 MILE, LNAV/VNAV ALL CATS

VISIBILITY 5/8 MILE, LNAV CATS C AND D VISIBILITY 3/8 MILE, CIRCLING CAT C VISIBILITY 3/4 MILE

AND CAT D VISIBILITY 1/2 MILE.

CHART PLANVIEW NOTE: CAUTION: MAGNETIC DISTURBANCES OF AS MUCH AS 14 DEGREES EXIST AT GROUND LEVEL
AT ESCANABA.

TAA

	FROM	TO	ALT
1.	184/30 CW 004/30 (NOPT)	184/10 CW 004/10	2600
2.	184/10 CW 004/10	ZUMAB (IF/IAF) (FB)	2500
3.	004/30 CW 094/30	JAGOG (IAF) (FB)	2500
4.	094/30 CW 184/30	094/10 CW 184/10	3100
5.	094/10 CW 184/10	KESIW (IAF) (FB)	2500

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CITY AND STATE

ESCANABA, MI

ELEVATION: 609

THRE: 593

AIRPORT NAME:

DELTA COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 1

31 MAY 2012

SUP:

AMDT: ORIG

DATED: 05/07/2009

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KESC
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	454313.9620N
LTP/FTP LONGITUDE	0870511.3880W
LTP/FTP ELLIPSOIDAL HEIGHT	+01449
FPAP LATITUDE	454315.3400N
FPAP LONGITUDE	0870718.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	EF9B91B0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01808
FPAP ORTHOMETRIC HEIGHT	+01808

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KESCK5FR27	AJAGOG	010JAGOGK5EA0E	A	IF					18000		A	JS
SUSAP	KESCK5FR27	AJAGOG	020ZUMABK5EA0EE	B	010TF		00410100	+	02500			A	JS
SUSAP	KESCK5FR27	AKESIW	010KESIWK5EA0E	A	IF					18000		A	JS
SUSAP	KESCK5FR27	AKESIW	020ZUMABK5EA0EE	B	010TF		18410100	+	02500			A	JS
SUSAP	KESCK5FR27	AZUMAB	010ZUMABK5EA0EE	AR	HF		27410040	+	02500	18000		A	JS
SUSAP	KESCK5FR27	R	010ZUMABK5EA0E	I	IF			+	02500	18000		A	JS
SUSAP	KESCK5FR27	R	020JUVNUK5EA1E	F	051TF		27410060	+	02200			A	JS
SUSAP	KESCK5FR27	R	020JUVNUK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KESCK5FR27	R	021TULTEK5EA0E	S	031TF		27400024	V	0144001442		-300	A	JS
SUSAP	KESCK5FR27	R	030RW27 K5PG0GY	M	031TF		27390025		00646		-300	A	JS
SUSAP	KESCK5FR27	R	040	0	M	CA	2739	+	00843			A	JS
SUSAP	KESCK5FR27	R	050YEBUGK5EA0EY		DF			+	02500			A	JS
SUSAP	KESCK5FR27	R	060YEBUGK5EA0EE	R	HM		09370040	+	02500			A	JS

[illegible][illegible]

CITY AND STATE ESCANABA, MI	ELEVATION: 609	THRE: 593	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: CHECKED
	AIRPORT NAME:			RNAV (GPS) RWY 27, AMDT 1	AMDT: ORIG
	DELTA COUNTY		RNAV	31 MAY 2012	DATED: 05/07/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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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
	JAGOG	JAGOG	010	IAF	IF		FB					
	JAGOG	ZUMAB	020		TF		FB	1.0	004.1(001.1T)	010.0	AA 02500	
	KESIW	KESIW	010	IAF	IF		FB					
	KESIW	ZUMAB	020		TF		FB	1.0	184.1(181.1T)	010.0	AA 02500	
	ZUMAB	ZUMAB	010	IAF	HF	R	FO		274.1(271.1T)	004.0	AA 02500	
		ZUMAB	010	FACF	IF		FB				AA 02500	
		JUVNU	020	FAF	TF		FB	0.5	274.1(271.1T)	006.0	AA 02200	
		TULTE	021	SDF	TF		FB	0.3	274.0(271.0T)	002.4	AA 01440 GS 01442	
		RW27	030	MAP	TF		FO	0.3	273.9(270.9T)	002.5	AT 00646	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		273.9(270.9T)		AA 00843	
	YEBUG	050		DF		FO				AA 02500	
	YEBUG	060		HM	R	FO		093.7(090.7T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JAGOG	N453302.85	W0864952.62	N4533.048	W08649.877
	JUVNU	N454309.15	W0865813.58	N4543.153	W08658.226
	KESIW	N455302.35	W0864920.04	N4553.039	W08649.334
	TULTE	N454311.55	W0870137.32	N4543.193	W08701.622
	YEBUG	N454323.91	W0872212.95	N4543.399	W08722.216
	ZUMAB	N454302.61	W0864936.38	N4543.044	W08649.606
	RW27	N454313.96	W0870511.39	N4543.233	W08705.190

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00593	53

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	AIRPORT NAME: DELTA COUNTY				AMDT: ORIG
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