

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 ID</u> KESC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> ESCANABA	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 609	<u>TDZE</u> 600	<u>SUPERSEDED</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 276/30 CW 096/30	NOPT	WOKOL	IF/IAF	2700
2. 096/30 CW 276/30		WOKOL	IF/IAF	2700

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WOKOL	IF/IAF	CUXUG		TF	FB	1.00	005.89	6.10	2200
CUXUG	FAF	RW01	MAP	TF	FO	0.30	005.89	4.91	
RW01	MAP	1100 MSL		CA			005.89		1100
1100 MSL		ZALKI		DF	FO	1.00			2800

MISSED APPROACH

MAP:

LP: RW01
 LNAV: RW01

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1100, THEN CLIMBING LEFT TURN TO 2800 DIRECT ZALKI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
8
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S WOKOL, RT, 005.89 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 005.89FAF: CUXUGDIST FAF TO MAP: 4.91DIST FAF TO THLD: 4.91

4. MIN ALT: WOKOL 2700, CUXUG 2200

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 CLEAR20:1: IS CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: CAUTION: MAGNETIC DISTURBANCES OF AS MUCH AS 14 DEGREES EXIST AT GROUND LEVEL AT ESCANABA.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
HOLD N, RT, 166.49 INBOUND.
CHART FAS OBST: 699 TREE 454133N/0870601W, 678 TREE (26-031018) 454258N/0870523W.
CHART VDP AT 1.01 NM TO RW01.
WAAS CHANNEL # 69333
REFERENCE PATH ID: W01A
CUXUG TO RW01: 3.00/45.
LTP HAE: 144.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LP MDA	940	1	340	940	1	340	940	1	340	940	1	340			
LNAV MDA	960	1	360	960	1	360	960	1	360	960	1	360			
CIRCLING	1060	1	451	1080	1	471	1280	2	671	1480	2 3/4	871			



CHANGES - REASONS

1. ALL COURSES CHANGED +2 DEGREES, ESC AIRPORT MAGVAR UPDATED FROM 3W 1985 TO 5W 2025.
2. TAA CHANGED FROM 274 CW 094 AND 094 CW 274 TO 276 CW 096 AND 096 CW 276 - MAGVAR
3. PROFILE LINE 7 ADDED 20:1 IS CLEAR - 20:1 IS CLEAR.
4. CHANGED NOTE FROM RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 20:1 IS CLEAR.
5. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE RNP APCH - GPS. - 8260.19I UPDATED REQUIREMENTS NOTE.
6. REMOVED CHART NOTE: STRAIGHT-IN RWY 1 NA AT NIGHT, CIRCLING RWY 1, 19 NA AT NIGHT. - 20:1 PENETRATIONS HAVE BEEN REMOVED.
7. UPDATED BACK-UP ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARQUETTE ALTIMETER SETTING AND INCREASE ALL MDA 180 FEET AND INCREASE LP CAT C AND D VISIBILITY 1/2 SM, LNAV CAT C AND D VISIBILITY 5/8 SM, AND CIRCLING CAT C VISIBILITY 1/2 SM AND CAT D VISIBILITY 1/4 SM." TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARQUETTE ALTIMETER SETTING AND INCREASE ALL MDA 180 FEET AND VISIBILITY CATS C AND D 5/8 SM. VDP NA WHEN USING MARQUETTE ALTIMETER SETTING." AND MOVED THEM FROM THE 8260-3 TO THE 8260-9. - 8260.19I.
8. ADDED ADDITIONAL FLIGHT DATA CHART VDP AT 1.01 NM TO RW01. - 20:1 CLEAR, VDP NOW PUBLISHABLE.
9. FPAP LATS AND LONG CHANGED FROM 454435.2200N/0870510.2900W TO 454435.2185N/0870510.2845W. - UPDATED SURVEY DATA.
10. CRC REMAINDER CHANGED FROM 4A1B98B4 TO BDC7E3A8 - FPAP COORDINATES CHANGED.
11. UPDATED ADDITIONAL FLIGHT DATA FROM CHART FAS OBST: 678 TREE 454258N/0870523W TO 678 TREE (26-031018) 454258N/0870523W - ADDITION OF OBSTACLE ID NUMBER IAW 8260.19I.

COORDINATED WITH:

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

FLIGHT CHECKED BY

STANLEY PHILLIPS

*Digitally signed by***DAVID TEFFETELLER****OFFICE**

FPO

DATE

08/18/2022

DEVELOPED BY

TYLER MITCHELL

*Digitally signed by***TYLER D MITCHELL**

Aug 22, 2022

OFFICE

AJV-A432

DATE

05/10/2022

APPROVED BY

CASIMIR TABAKA

Jun 13, 2022

*Digitally signed by***CASIMIR L TABAKA**

Jul 20, 2022

OFFICE

AJV-A430

DATE**TITLE**
MANAGER

QUALITY
8
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KESC
RUNWAY	RW01
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	454306.1505N
LTP/FTP LONGITUDE	0870512.2660W
LTP/FTP ELLIPSOIDAL HEIGHT	+01446
FPAP LATITUDE	454435.2185N
FPAP LONGITUDE	0870510.2845W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BDC7E3A8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01805
FPAP ORTHOMETRIC HEIGHT	+01805

