

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> KAZO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> KALAMAZOO	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 874	<u>TDZE</u> 874	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
WHOOF		COLDT		TF	FO	2.00	228.24	11.71	2700
ELX VOR/DME	IAF	COLDT	NOPT	TF	FB	1.00	101.86	17.33	2700
GIJ VORTAC	IAF	COLDT	NOPT	TF	FB	1.00	055.40	32.65	2700
VENTU	IAF	COLDT	NOPT	TF	FB	1.00	342.83	12.75	2700
COLDT	IF/IAF	FOSDO		TF	FB	1.00	047.77	6.45	2500
FOSDO	FAF	MATEY/2.00 NM TO RW05		TF	FB	0.30	047.88	3.02	
MATEY/2.00 NM TO RW05		RW05	MAP	TF	FO	0.30	047.88	2.00	
RW05	MAP	1274 MSL		CA			047.88		
1274 MSL		AMPEY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW05
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT AMPEY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SW COLDT, RT, 047.77 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC:

047.88

FAF: FOSDO

DIST FAF TO MAP: 5.02

DIST FAF TO THLD: 5.02

4. MIN ALT: COLDT 2700, FOSDO 2500, MATEY/2.00 NM TO RW05 1520

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 NOT CLEAR

TCH:

8. MSA FROM: RW05 3000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 5, 9, 17, 23, 27 NA AT NIGHT.
CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: RWY 5 STRAIGHT-IN MINIMUMS NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ELX VOR/DME AIRWAY RADIALS 061 CW 149.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GIJ VORTAC AIRWAY RADIALS 021 CW 138.

ADDITIONAL FLIGHT DATA:

FOSDO TO RW05: 3.00/28
HOLD NE, RT, 228.02 INBOUND.
CHART FAS OBST: 1041 TRANSMISSION_LINE (26-022017) 421313N/0853547W, 1012 TOWER (26-022015) 421309N/0853437W.
1114 AAO 421044N/0853833W.
WAAS CHANNEL # 56321
REFERENCE PATH ID: W05A
CHART: ASR.
CHART CIRCLING ICON.
LTP HAE: 233.3 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD



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	1280	1	406	1280	1	406	1280	1 1/8	406		NA				
LNAV MDA	1300	1	426	1300	1	426	1300	1 1/4	426		NA				
CIRCLING	1380	1	506	1380	1	506	1480	1 3/4	606		NA				

CHANGES - REASONS

1. NOTES: UPDATED FROM “RNP APCH” TO “RNP APCH - GPS,” MOVED TO PBN REQUIREMENTS NOTE SECTION - IAW 8260.19I 8-6-8.
2. NOTES: UPDATED CHART PLANVIEW NOTE FROM: “PROCEDURE NA FOR ARRIVAL ON GIJ VORTAC AIRWAY RADIALS 050 CW 138” TO “PROCEDURE NA FOR ARRIVAL ON GIJ VORTAC AIRWAY RADIALS 021 CW 138” - IAW 8260.19I 8-2-5.
3. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM: “1041 PWRLN (26-022017) 421313N/0853547W, 1012 TWR (26-022015) 421309N/0853437W” TO “1041 TRANSMISSION_LINE (26-022017) 421313N/0853547W, 1012 TOWER (26-022015) 421309N/0853437W” - IAW 8260.19 8-6-10.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** AZO APP CON, ZAU ARTCC, AZO ATCT, AMGR, ATA

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE *Digitally signed by* **DATE**

BEV L BORDY

Jan 23, 2024

DEVELOPED BY

ERIC N SUSKI (JUDITH TUTTLE)

Digitally signed by

BEV L BORDY

Jan 23, 2024

OFFICE

AJV-A430

DATE

07/05/2023

APPROVED BY

ERIC N SUSKI

Digitally signed by

BEV L BORDY

Jan 23, 2024

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAZO
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	421405.5670N
LTP/FTP LONGITUDE	0853329.0460W
LTP/FTP ELLIPSOIDAL HEIGHT	+02333
FPAP LATITUDE	421508.6590N
FPAP LONGITUDE	0853204.3090W
THRESHOLD CROSSING HEIGHT (TCH)	00028.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1704
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	4ED031CF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02663
FPAP ORTHOMETRIC HEIGHT	+02663