

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</u> BOYNE CITY MUNI	<u>AIRPORT ID</u> N98	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> BOYNE CITY	<u>STATE</u> MI	
<u>AIRPORT ELEVATION</u> 660	<u>TDZE</u> 660	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<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>
WOMOP	IF/IAF	UHOZA		TF	FB	1.00	253.93	7.27	2500
UHOZA	FAF	KIYRE/2.70 NM TO RW27		TF	FB	0.30	277.74	2.95	
KIYRE/2.70 NM TO RW27		RW27	MAP	TF	FO	0.30	277.74	2.70	
RW27	MAP	1060 MSL		CA			277.74		
1060 MSL		YOVUG		DF	FB	1.00			
YOVUG		ADENO		TF	FO	1.00	218.43	12.95	3000

MISSED APPROACH

MAP:

LP: RW27

LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT YOYUG AND ON TRACK 218.43 TO ADENO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E WOMOP, RT, 253.93 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 277.74FAF: UHOZADIST FAF TO MAP: 5.65DIST FAF TO THLD: 5.65

4. MIN ALT: WOMOP 3200, UHOZA 2500, KIYRE/2.70 NM TO RW27 1540

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 NOT CLEARTCH:

8. MSA FROM: RW27 3500

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT WOMOP ON V233 SOUTHBOUND.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE CHARLEVOIX ALTIMETER SETTING, WHEN NOT RECEIVED, USE HARBOR SPRINGS ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART CHARLEVOIX AWOS-3
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
WAAS CHANNEL #50326
REFERENCE PATH ID: W27A
CHART FAS OBST: 1167 TREE 451232N/0845645W.
1397 AAO 451241N/0845051W, 1364 AAO 451255N/0845117W.
HOLD SW, RT, 037.76 INBOUND
LTP HAE: 166 M

MINIMUMS:

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

ALTERNATE: NA

X

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	1460	1	800	1460	1 1/4	800		NA			NA				
LNAV MDA	1480	1	820	1480	1 1/4	820		NA			NA				
CIRCLING	1480	1 1/4	820	1500	1 1/4	840		NA			NA				

CHANGES - REASONS

1. ADDED WOMOP 3200 TO LINE 4 OF 8260-3 - ORIG-C FORMS MISSING THIS DATA.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, AIRPORT MANAGER

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

ALLAN WILL

Mar 21, 2019

DEVELOPED BY

PHILLIP BRANDENBURG

Digitally signed by

PHILLIP BRANDENBURG

OFFICE

AJV-A423

DATE

02/05/2019

APPROVED BY

JULIE MORGAN

Mar 19, 2019

OFFICE

AJV-A420

DATE

Digitally signed by

ALLAN WILL

Mar 21, 2019

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	N98
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	451230.8165N
LTP/FTP LONGITUDE	0845855.6735W
LTP/FTP ELLIPSOIDAL HEIGHT	+01660
FPAP LATITUDE	451234.9200N
FPAP LONGITUDE	0850101.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BFE08088

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02010
FPAP ORTHOMETRIC HEIGHT	+02010

