

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> MARION MUNI	<u>AIRPORT ID</u> KMZZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> MARION	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 859	<u>TDZE</u> 859	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 3W
<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>	<u>EPOCH YEAR</u> 1985

TERMINAL ROUTES THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-12

<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>
HAROD		BACNA		TF	FB	2.00	251.01	5.55	2500
PENDS		BICAD		TF	FB	2.00	017.99	11.43	2500
BACNA	IAF	AKUYA	NOPT	TF	FB	1.00	243.49	5.00	2500
BICAD	IAF	AKUYA	NOPT	TF	FB	1.00	063.37	5.00	2500
AKUYA	IF/IAF	AVACE		TF	FB	1.00	333.43	6.00	2500
AVACE	FAF	RW33	MAP	TF	FO	0.30	333.39	5.10	
RW33	MAP	1259 MSL		CA			333.39		
1259 MSL		AGACI		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT AGACI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE AKUYA, RT, 333.43 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 333.39

FAF: AVACE

DIST FAF TO MAP: 5.10

DIST FAF TO THLD: 5.10

4. MIN ALT: AKUYA 2500, AVACE 2500

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 CLEAR

TCH:

8. MSA FROM: RW33 2900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLE NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAROD ON V221 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENDS ON V14-192-210 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
AVACE TO RW33: 3.00/34.
CHART VDP AT 1.45 NM TO RW33
FAS OBST: 1090 AAO 402506N/0853814W.
HOLD NW, RT, 153.27 INBOUND

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
LNAV MDA	1340	1	481	1340	1	481	1340	1 3/8	481	1340	1 3/8	481			
CIRCLING	1340	1	481	1340	1	481	1400	1 1/2	541	1500	2	641			

CHANGES - REASONS

1. REMOVED CHART NOTE: NIGHT LANDING: RWY 15 NA. - 20:1 PENETRATIONS MITIGATED AND FDC 8/9388 INCORPORATED.
2. REMOVED CHART NOTE: DME/DME RNP-0.3 NA. AND ADDED CHART NOTE: RNP APCH - NEW DOCUMENTATION CRITERIA.
3. REMOVED SECONDARY ALTIMETER CHART NOTE AND ADDED BACK ALTIMETER TO BACK OF -9 FOR RECORD KEEPING. - KMZZ IS ON WMSCR.
4. RAISED LNAV MDA FROM 1240 TO 1340. - NEW EVALUATION COMPLETED AND CHANGED CONTROLLING OBSTACLE FROM 949 TREE TO 1090 AAO.
5. RAISED CIRCLING MDA'S CAT A/B FROM 1240 TO 1340, CAT C FROM 1320 TO 1400 AND CAT D FROM 1420 TO 1500/CHANGED CIRCLING OBSTACLES ALL CATS - UPDATED TO NEW CIRCLING CRITERIA.
6. RAISED LNAV CAT C/D VISIBILITY TO 1 3/8 SM. - NEW VISIBILITY CK COMPLETED.

04/30/2019: THIS IS A CORRECTED COPY OF THE FOR APPROVED ON 03/11/2019
CHANGED PROFILE NOTE VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) TO VGSI AND DESCENT ANGLE NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZAU ARTCC, AMGR, GUS APP CON

FLIGHT CHECKED BY

JEFFREY W HARNG

DEVELOPED BY

LONNIE EVERHART (ANDRE TUCKER)

APPROVED BY

LONNIE EVERHART

Digitally signed by
CASIMIR L TABAKA
Apr 30, 2019

Digitally signed by
CASIMIR L TABAKA
Apr 30, 2019

Digitally signed by
CASIMIR L TABAKA
May 01, 2019

OFFICE

FICO

OFFICE

AJV-5400

OFFICE

AJV-5400

DATE

12/12/2018

DATE

07/10/2018

DATE

TITLE

MANAGER

