

**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> MUSKEGON COUNTY	<u>AIRPORT ID</u> KMKG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> MUSKEGON	<u>STATE</u> MI	
<u>AIRPORT ELEVATION</u> 629	<u>TDZE</u> 623	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 NOVEMBER 2020	<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>
SALES	IAF	HITPO	NOPT	TF	FB	1.00	001.19	26.22	3000
WASOG	IAF	HITPO	NOPT	TF	FB	1.00	080.36	6.40	3000
HITPO	IF/IAF	WEGUN		TF	FB	1.00	060.24	6.03	2300
WEGUN	FAF	RW06	MAP	TF	FO	0.30	060.31	5.13	
RW06	MAP	928 MSL		CA			060.31		
928 MSL		GUTPE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT GUTPE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SW HITPO, RT, 060.24 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC:

060.31

FAF: WEGUN

DIST FAF TO MAP: 5.13

DIST FAF TO THLD: 5.13

4. MIN ALT: HITPO 3000, WEGUN 2300

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

305 HAT: 0.82

GS ANT:

6. MIN GP INCPT:

2300

GP ALT AT FAF : WEGUN 2300

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 45.1

8. MSA FROM: RW06 2900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SALES ON V30 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

CHART: ASR.
CHART CIRCLING ICON.
CHART VDP AT 1.36 NM TO RW06*
*LNAV ONLY
WAAS CHANNEL #56618
REFERENCE PATH ID: W06A
CHART FAS OBST: 834 TOWER 430851N/0861701W.
HOLD NE, RT, 240.55 INBOUND
LTP HAE: 155.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LPV DA	928	7/8	305	928	7/8	305	928	7/8	305	928	7/8	305			
LNAV/VNAV DA	975	1	352	975	1	352	975	1	352	975	1	352			
LNAV MDA	1100	1	477	1100	1	477	1100	1 3/8	477	1100	1 3/8	477			
CIRCLING	1100	1	471	1180	1	551	1200	1 1/2	571	1200	2	571			



CHANGES - REASONS

- 1. CHANGED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SALES ON V215 SOUTHWEST BOUND AND V30 SOUTHEAST BOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SALES ON V30 SOUTHEAST BOUND" - AIRWAY TO BE CANCELLED, MKG VOR MON.
- 2. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18 C (0 F) OR ABOVE 54 C (130 F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18 C OR ABOVE 54 C" - 8260.19H 8-6-9.S.
- 3. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED RNP APCH TO PBN REQUIREMENTS NOTES - CURRENT NOTATION PER 8260.19H.
- 4. ADDED "MAX 6000" TO LINE 2 - 8260.19H 8-6-7.B.
- 5. CHANGED ALTERNATE MINIMUMS FROM "STANDARD" TO "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - PROCEDURE UTILIZES BACKUP ALTIMETER; IMPLEMENTATION OF FAA ORDER 8260.19H CHANGE 1, ATTACHMENT 4.

COORDINATED WITH:

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

FLIGHT CHECKED BY

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

OFFICE *Digitally signed by*
JOHN BORDY

DATE

DEVELOPED BY

ALLAN WILL (ANTHONY CAPPABIANCO)

Digitally signed by
JOHN BORDY
Mar 24, 2020

OFFICE
AJV-A423

DATE
08/22/2019

APPROVED BY *Digitally signed by*
MARLON ROBINSON **JOHN BORDY**
Mar 24, 2020

OFFICE
AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMKG
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	430941.8725N
LTP/FTP LONGITUDE	0861503.1855W
LTP/FTP ELLIPSOIDAL HEIGHT	+01556
FPAP LATITUDE	431031.2035N
FPAP LONGITUDE	0861321.7865W
THRESHOLD CROSSING HEIGHT (TCH)	00045.1
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
CRC REMAINDER	D8B898A4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01893
FPAP ORTHOMETRIC HEIGHT	+01893

