

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> KMKE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 1L	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> MILWAUKEE	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 728	<u>TDZE</u> 704	<u>SUPERSEDED</u> RNAV (GPS) RWY 1L	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 AUGUST 2023	<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>
BAE VOR/DME		YOUNT		TF	FO	1.00	149.43	27.57	2700
WIPED	IAF	YOUNT	NOPT	TF	FB	1.00	092.53	9.31	2700
YOUNT	IF/IAF	CUTMO		TF	FB	1.00	011.15	5.92	2600
CUTMO	FAF	RW01L	MAP	TF	FO	0.30	011.14	5.78	
RW01L	MAP	1130 MSL		CA			011.14		1130
1130 MSL		BAE VOR/DME		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW01L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1130 THEN CLIMBING LEFT TURN TO 2900 DIRECT BAE VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S YOUNT, RT, 011.15 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 011.14FAF: CUTMODIST FAF TO MAP: 5.78DIST FAF TO THLD: 5.78

4. MIN ALT: YOUNT 2700, CUTMO 2600

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.45GS ANT:

6. MIN GP INCPT: 2600GP ALT AT PFAF : CUTMO 2600OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 56.2

8. MSA FROM: RW01L 2900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIPED ON V191 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BAE VOR/DME AIRWAY RADIALS 100 CW 226.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, INCREASE LNAV CAT C/D VISIBILITY TO RVR 6000.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 090.00 INBOUND.
CHART FAS OBST: 869 TANK 425440N/0875442W.
CHART VDP AT 1.08 NM TO RW01L.
WAAS CHANNEL # 45742
REFERENCE PATH ID: W01A
CHART CIRCLING ICON.
LTP HAE: 179.4 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
LPV DA	904	1800	200	904	1800	200	904	1800	200	904	1800	200			
LNAV/VNAV DA	1120	4000	416	1120	4000	416	1120	4000	416	1120	4000	416			
LNAV MDA	1120	2400	416	1120	2400	416	1120	4000	416	1120	4000	416			
CIRCLING	1240	1	512	1240	1	512	1240	1 1/2	512	1360	2	632			



CHANGES - REASONS

1. UPDATED AIRPORT ELEVATION FROM 729 TO 728 - ACTIVE AIRNAV DATA 04/23/2020.
2. WHOLE PROCEDURE: CHANGED IF/IAF FIX NAME FROM JUTAX TO YOUNT IN TERMINAL ROUTES, PROFILE LINE 2 HOLD AND LINE 4 MIN ALT - PER AIR TRAFFIC/IFP CHECKLIST REQUEST.
3. PBN REQUIREMENTS NOTE: UPDATED 'RNP APCH' TO 'RNP APCH - GPS' - IAW 8260.19I, 8-6-8.B(2).
4. REMOVED DEGREES F FROM BARO VNAV NA NOTE - CRITERIA FORMAT IAW 8260.19I, 8-6-9.R.
5. UPDATED RADIALS IN PROCEDURE NA FOR ARRIVAL AT BAE FROM 085 TO 100 - TURN LIMITATION IAW 8260.19I, 8-2-5.E.
6. REMOVED ASTERISK "" FROM VDP AND ""LNAV ONLY" FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED IAW 8260.19I, 1-1-5.F(12).
7. MINIMUMS: UPDATED CIRCLING CAT A/B/C HAA FROM 511 TO 512 AND CAT D FROM 631 TO 632 - AIRPORT ELEVATION CHANGED FROM 729 TO 728.
8. FAS DATA: UPDATED LTP/FTP LATITUDE, LONGITUDE FROM 425552.7335N, 0875351.0120W TO 425552.7380N, 0875351.0130W - ACTIVE AIRNAV DATA 04/23/2020.
8. FAS DATA: UPDATED CRC REMAINDER FROM D59027D3 TO 8020195B - UPDATED FAS DATA LTP/FTP LATITUDE, LONGITUDE.

COORDINATED WITH:

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

FLIGHT CHECKED BY

SCOTT WIEBE

*Digitally signed by***DAVID TEFFETELLER**

Apr 28, 2023

OFFICE

FPO

DATE

04/17/2023

DEVELOPED BY

RAFAEL A MARTINEZ

*Digitally signed by***RAFAEL A MARTINEZ**

Mar 28, 2023

OFFICE

AJV-A433

DATE

03/01/2023

APPROVED BY

JOHNNIE BAKER

*Digitally signed by***DAVID TEFFETELLER**

Apr 28, 2023

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	KMKE
RUNWAY	RW01L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	425552.7380N
LTP/FTP LONGITUDE	0875351.0130W
LTP/FTP ELLIPSOIDAL HEIGHT	+01794
FPAP LATITUDE	425727.7030N
FPAP LONGITUDE	0875334.7730W
THRESHOLD CROSSING HEIGHT (TCH)	00056.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8020195B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02144
FPAP ORTHOMETRIC HEIGHT	+02144