

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> GENERAL MITCHELL INTL	<u>AIRPORT ID</u> KMKE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19L	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> MILWAUKEE	<u>STATE</u> WI
<u>AIRPORT ELEVATION</u> 729	<u>TDZE</u> 675	<u>SUPERSEDED</u> RNAV (GPS) RWY 19L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> 9/13/2018	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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		FIBSO		TF	FB	2.00	072.08	14.18	2900
FIBSO	IAF	CUSIT		TF	FB	1.00	101.21	6.00	2900
CUSIT	IF	DELEY		TF	FB	1.00	191.20	9.00	2500
DELEY	FAF	HERUL/2.85 NM TO RW19L		TF	FB	0.30	191.18	2.74	
HERUL/2.85 NM TO RW19L		RW19L	MAP	TF	FO	0.30	191.18	2.85	
RW19L	MAP	1600 MSL		CA			191.18		1600
1600 MSL		BAE VOR/DME		DF	FO	1.00			2900

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW19L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1600 THEN CLIMBING RIGHT 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. PROFILE STARTS AT CUSIT					
3. FAC:	191.18	FAP: DELEY	DIST FAF TO MAP: 5.59	DIST FAF TO THLD: 5.59	
4. MIN ALT:	CUSIT 2900, DELEY 2500, HERUL/2.85 NM TO RW19L 1620*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	352 HAT: 0.97	GS ANT:
6. MIN GP INCPT: 2500	GP ALT AT FAF : DELEY 2500			OM:	MM: IM:
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 50.0		
8. MSA FROM:	RW19L 2900				

PBN REQUIREMENTS NOTES:

RNP APCH

NOTES:

CHART NOTE: RWY 19L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BAE VOR/DME AIRWAY RADIALS 345 CW 103.
CHART SPEED ICON IN PLANVIEW AT CUSIT: MAX 220 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.13 NM TO RW19L*
*LNAV ONLY
WAAS CHANNEL #42642
REFERENCE PATH ID: W19B
CHART FAS OBST: 887 CONTROL_TOWER 425652N/0875423W.
CHART: 1178 BUILDING 430223N/0875402W.
910 BUILDING 425957N/0875319W.
HOLD W, RT, 090.00 INBOUND
LTP HAE: 169 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	1032	1	357	1032	1	357	1032	1	357	1032	1	357			
LNAV/VNAV DA	1072	1 1/8	397	1072	1 1/8	397	1072	1 1/8	397	1072	1 1/8	397			
LNAV MDA	1080	1	405	1080	1	405	1080	1 1/8	405	1080	1 1/8	405			
CIRCLING	1240	1	511	1240	1	511	1240	1 1/2	511	1360	2	631			



CHANGES - REASONS

- 1. TERMINAL ROUTE BAE VOR/DME TO FIBSO CHANGED FROM 084/13.8, TO 072.08 14.18 - FIBSO RELOCATED TO 431216.94N / 0875904.36W - NEW EVALUATION.
- 2. TERMINAL ROUTE FIBSO TO CUSIT CHANGED FROM 101/5 TO, 101.21/6.00 - ALSO CUSIT TO DELEY CHANGED FROM 190/6.1 TO 191.20/9 - CUSIT RELOCATED TO 431057.76N/0875118.42W - NEW EVALUATION.
- 3. DISTANCE DELAY TO HERUL CHANGED FROM 2.75, TO 2.74 - NEW EVALUATION.
- 4. CHANGED MISSED APPROACH FROM "CLIMB TO 2800 DIRECT DUYEY THEN RIGHT TURN ON 309.17 TRACK TO GAPYE THEN ON 324.28 TRACK TO BAE VOR/DME AND HOLD." TO "CLIMB TO 1600 THEN RIGHT TURN TO 2900 DIRECT BAE VOR/DME AND HOLD".
- 5. ADDED LPV AND LNAV/VNAV LINES OF MINIMUMS AND ASSICIATED NOTES - ATC REQUEST.
- 6. LOWERED LNAV MDA/HAT FROM 1120/445 TO 1080/405. ALSO CHANGED CAT "D" CIRCLING MDA/HAA FROM 1280/551 TO 1360/631 - NEW EVALUATION.
- 7, CHARTED CIRCLING ICON - CIRCLING CRITERIA UPDATED
- 8. ADDED *LNAV ONLY TO LINE MIN ALT - ADDITION OF LPV AND LNAV/VNAV MINIMUMS.
- 9. ADD RWY 19L TO HELICOPTER NOTE - CHANGE TO CRITERIA
- 10. CHANGED LNAV CAT C/D VISIBILITY FROM 1 1/4, 1 1/2 TO 1 1/8 - NEW EVALUATION.
- 11. CHANGE NOTE DME/DME RNP-0.3 NA TO PBN EQUIPMENT REQUIREMENTS NOTE "RNP APCH" - CODING REQUIREMENT
- 12. ADDED CHART SPEED ICON IN PLANVIEW AT CUSIT: MAX 220 KIAS - ALLOW FOR FIX PLACEMENT AND PROCEDURE UTILIZATION.

6/22/2018: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/25/2018:
CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 9/13/2018.



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<u>COORDINATED WITH:</u> A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZAU, MKE APP CON, MKE ATCT. AMGR					
<u>FLIGHT CHECKED BY</u> PENDING		<i>Digitally signed by</i> DAVID TEFFETELLER Jun 22, 2018	<u>OFFICE</u> <u>OFFICE</u> AJV-5433	<u>DATE</u> <u>DATE</u> 04/25/2018	
<u>DEVELOPED BY</u> HOWARD L. HAWKINS, JR.		<i>Digitally signed by</i> HOWARD L HAWKINS Jun 04, 2018	<u>OFFICE</u> <u>OFFICE</u> AJV-5430	<u>DATE</u> <u>DATE</u>	<u>TITLE</u> MANAGER
<u>APPROVED BY</u> PATRICK MULQUEEN		<i>Digitally signed by</i> DAVID TEFFETELLER Jun 22, 2018	<u>OFFICE</u> <u>OFFICE</u> AJV-5430	<u>DATE</u> <u>DATE</u>	<u>TITLE</u> MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMKE
RUNWAY	RW19L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19B
LTP/FTP LATITUDE	425702.7455N
LTP/FTP LONGITUDE	0875325.4880W
LTP/FTP ELLIPSOIDAL HEIGHT	+00169
FPAP LATITUDE	425534.3195N
FPAP LONGITUDE	0875340.6245W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1480
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	191CFD67

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02041
FPAP ORTHOMETRIC HEIGHT	+02041

