

**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> WINDOM MUNI	<u>AIRPORT ID</u> KMWM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> WINDOM	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1411	<u>TDZE</u> 1411	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 3E
<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>	<u>EPOCH YEAR</u> 2005

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
RWF VOR/DME	IAF	HEDLO	NOPT	TF	FB	1.00	174.63	21.45	3000
GOPEC	IAF	HEDLO	NOPT	TF	FB	1.00	087.21	9.48	3000
HEDLO	IF/IAF	JELET		TF	FB	1.00	177.35	6.63	3000
JELET	FAF	CATCO/2.30 NM TO RW17		TF	FB	0.30	177.35	2.57	
CATCO/2.30 NM TO RW17		RW17	MAP	TF	FO	0.30	177.35	2.30	
RW17	MAP	1661 MSL		CA			177.35		
1661 MSL		BAKAC		DF	FO	1.00			3100

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW17

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3100 DIRECT BAKAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- 1. PT            **SIDE OF COURSE**                            **OUTBOUND**                            **FT WITHIN**                            **MILES OF**                            (IAF)
- 2. HOLD N HEDLO, RT, 177.35 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 177.35    **FAF:** JELET    **DIST FAF TO MAP:** 4.87    **DIST FAF TO THLD:** 4.87
- 4. **MIN ALT:** HEDLO 3000, JELET 3000, CATCO/2.30 NM TO RW17 2180\*
- 5. **DIST TO THLD FROM OM:**                            **MM:**                            **IM:**                            **150 HAT:**                            **250 HAT:** 0.66                            **GS ANT:**
- 6. **MIN GP INCPT:** 3000                            **GP ALT AT FAF :** JELET 3000    **OM:**    **MM:**    **IM:**
- 7. **GP ANGLE:** 3.00                            **34:1:** IS CLEAR                            **20:1:** IS CLEAR                            **TCH:** 40.0
- 8. **MSA FROM:** RW17 3200

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RWF VOR/DME AIRWAY RADIALS 103 CW 263.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.

**ADDITIONAL FLIGHT DATA:**

HOLD S, RT, 357.35 INBOUND.  
 CHART FAS OBST: 1570 TREE 435613N/0950609W.  
 CHART VDP AT 1.16 NM TO RW17\*  
 \*LNAV ONLY.  
 WAAS CHANNEL # 53742  
 REFERENCE PATH ID: W17A  
 CHART CIRCLING ICON.  
 LTP HAE: 402.2 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA	1661	1	250	1661	1	250	1661	1	250		NA				
LNAV/VNAV DA	1858	1 3/8	447	1858	1 3/8	447	1858	1 3/8	447		NA				
LNAV MDA	1820	1	409	1820	1	409	1820	1 1/8	409		NA				
CIRCLING	1880	1	469	1900	1	489	1920	1 1/2	509		NA				



**CHANGES - REASONS**

1. CHANGED PROFILE LINE 8 MSA FROM "RW17 3100" TO "RW17 3200" - INCORPORATED NOTAM FDC 09/4909, NEW CONTROLLING OBSTACLE IDENTIFIED.
2. ADDED TO ALTERNATE MINIMUMS "NA WHEN LOCAL WEATHER NOT AVAILABLE" - 8260.19H 8-6-11.F(4).

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZMP, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

**OFFICE**

**DATE**

*Digitally signed by*

**ALLAN WILL**

Aug 21, 2020

*Digitally signed by*

**ALLAN WILL**

Aug 21, 2020

**DEVELOPED BY**

ALLAN WILL (SILVIA YOUNG)

**OFFICE**

AJV-A423

**DATE**

06/10/2020

**APPROVED BY**

MARLON ROBINSON

**OFFICE**

AJV-A420

**DATE**

*Digitally signed by*

**ALLAN WILL**

Aug 21, 2020

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMWM
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	435506.0475N
LTP/FTP LONGITUDE	0950633.6895W
LTP/FTP ELLIPSOIDAL HEIGHT	+04022
FPAP LATITUDE	435336.9420N
FPAP LONGITUDE	0950634.4420W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	6D6777EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04295
FPAP ORTHOMETRIC HEIGHT	+04295