

**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> KMWM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> WINDOM	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1411	<u>TDZE</u> 1411	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/15/2021	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CUDET	IAF	BAKAC	NOPT	TF	FB	1.00	087.18	10.73	3100
FEKIR	IAF	BAKAC	NOPT	TF	FB	1.00	267.51	10.00	3100
BAKAC	IF/IAF	DODYE		TF	FB	1.00	357.35	6.12	3000
DODYE	FAF	CESAY/2.18 NM TO RW35		TF	FB	0.30	357.35	2.70	
CESAY/2.18 NM TO RW35		RW35	MAP	TF	FO	0.30	357.35	2.18	
RW35	MAP	1661 MSL		CA			357.35		
1661 MSL		HEDLO		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT HEDLO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD S BAKAC, RT, 357.35 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 357.35 FAF: DODYE DIST FAF TO MAP: 4.88 DIST FAF TO THLD: 4.88

4. MIN ALT: BAKAC 3100, DODYE 3000, CESAY/2.18 NM TO RW35 2140

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.67 GS ANT:

6. MIN GP INCPT: 3000 GP ALT AT PFAF: DODYE 3000 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM: RW35 3200

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUDET ON T400 SOUTHWEST BOUND.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 177.35 INBOUND.
 CHART FAS OBST: 1588 ANTENNA (27-061865) 435252N/0950712W.
 CHART VDP AT 1.23 NM TO RW35.
 WAAS CHANNEL # 63242
 REFERENCE PATH ID: W35A
 CHART CIRCLING ICON.
 CHART MINNEAPOLIS CENTER FREQUENCY.
 LTP HAE: 401.3 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		
	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	1661	1	250	1661	1	250	1661	1	250		NA				
LNAV/VNAV DA	1672	1	261	1672	1	261	1672	1	261		NA				
LNAV MDA	1840	1	429	1840	1	429	1840	1 1/4	429		NA				
CIRCLING	1880	1	469	1900	1	489	1920	1 1/2	509		NA				



CHANGES - REASONS

1. CHANGES FROM P-NOTAM 1B INCORPORATED INTO FORM.
2. PROFILE LINE 4 REMOVED "" - 8260.019I, 8-6-10.M.
3. UPDATED PBN REQUIREMENTS NOTE FROM: RNP APCH TO RNP APCH - GPS. - 8260.19I PARA 8-6-8(B)2.
4. REMOVED ADDITIONAL FLIGHT DATA: CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUDET ON V250 SOUTHWEST BOUND. - V250 CANCELED.
5. REMOVED ADDITIONAL FLIGHT DATA: *LNAV ONLY AND CHANGED VDP AT 1.23 NM TO RW35* TO VDP AT 1.23 NM TO RW35. - 8260.19I PARA 8-6-10.M.
6. ADDED ADDITIONAL FLIGHT DATA: OBSTACLE ID (27-061865) TO CHART FAS OBST - 8260-19I 8-6-10.C.
7. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CUDET ON T400 SOUTHWEST BOUND. - 8260.19I 8-2-5 G.
8. ADDED ADDITIONAL FLIGHT DATA: CHART MINNEAPOLIS CENTER FREQUENCY. - 8260.19I 8-2-4 B (1).

COORDINATED WITH:

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

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

DEVELOPED BY

ERIC N SUSKI (COLE NESBITT)

APPROVED BY

JOHNNIE BAKER

OFFICE

Digitally signed by
ERIC N SUSKI
Oct 31, 2022

DATE

OFFICE

AJV-A431

Digitally signed by
ERIC N SUSKI
Oct 28, 2022

DATE
09/09/2022

OFFICE

AJV-A430

Digitally signed by
ERIC N SUSKI
Oct 28, 2022

DATE

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	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	435430.5150N
LTP/FTP LONGITUDE	0950633.9895W
LTP/FTP ELLIPSOIDAL HEIGHT	+04013
FPAP LATITUDE	435559.6205N
FPAP LONGITUDE	0950633.2365W
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	483322BA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04287
FPAP ORTHOMETRIC HEIGHT	+04287

