

**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> KVVV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ORTONVILLE	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1101	<u>TDZE</u> 1097	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 03/25/2021	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<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>
FFORT		ILWIR		TF	FB	1.00	070.91	25.83	3600
ILWIR	IAF	KAGRY	NOPT	TF	FB	1.00	070.44	8.00	3600
KAGRY	IF/IAF	KUZMO		TF	FB	1.00	343.58	6.70	2600
KUZMO	FAF	RW34	MAP	TF	FO	0.30	343.57	4.60	
RW34	MAP	1500 MSL		CA			343.57		
1500 MSL		NILIE		DF	FB	1.00			
NILIE		RIRCO		TF	FO	1.00	295.47	28.91	4500

MISSED APPROACH

MAP:

LP: RW34
LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4500 DIRECT NILIE AND ON TRACK 295.47 TO RIRCO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S KAGRY, RT, 343.58 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 343.57FAF: KUZMODIST FAF TO MAP: 4.60DIST FAF TO THLD: 4.60

4. MIN ALT: KAGRY 3600, KUZMO 2600

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

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM: RW34 3900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FFORT ON T407 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

KUZMO TO RW34: 3.00/41
HOLD N, RT, 181.42 INBOUND.
FAS OBST: 1250 AAO 451427N/0962503W.
1270 AAO 451337N/0962424W, 1260 AAO 451349N/0962415W.
WAAS CHANNEL # 87124
REFERENCE PATH ID: W34A
LTP HAE: 307.8 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
LP MDA	1500	1	403	1500	1	403	1500	1 1/8	403		NA				
LNAV MDA	1500	1	403	1500	1	403	1500	1 1/8	403		NA				
CIRCLING	1740	1	639	1740	1	639	1780	2	679		NA				



CHANGES - REASONS

1. TERMINAL ROUTES - CHANGED COURSE FROM KAGRY TO KUZMO CHANGED FROM 343.59 TO 343.58 - TO ALIGN WITH FAC.
2. PROFILE LINE 2 - CHANGED INBOUND COURSE FROM 343.59 TO 343.58 - TO ALIGN WITH FAC.
3. UPDATED BACKUP ALTIMETER NOTE FROM "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE APPLETON ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET, INCREASE LP AND LNAV CAT C VISIBILITY TO 1 3/8 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE APPLETON ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET AND LP AND LNAV CAT C VISIBILITY 1/4 SM.", MOVED TO 8260-9 GENERAL REMARKS - CURRENT CRITERIA VISIBILITY TABLES AND 8260.19I, 8-6-9.F(3).
4. CHANGED "CHART NOTE: PLAINVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ATY VORTAC AIRWAY RADIALS 357 CW 100" TO "CHART NOTE: PLAINVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FORT ON T407 SOUTHBOUND" - ATY VORMON.
5. TERMINAL ROUTES: REMOVED INITIAL SEGMENT FROM DAWSO (IAF) TO KAGRY - PER FPT REQUEST.
6. TERMINAL ROUTES: REPLACED ATY VORTAC WITH FORT TO KAGRY - SCHEDULED DECOMMISSIONING OF ATY VORTAC.
7. LOWERED LP AND LNAV MDA/HAT ALL CATS FROM 1520/423 TO 1500/403 - NEW OBSTACLE EVALUATION.
8. LOWERED LP AND LNAV CAT C VISIBILITY FROM 1 1/4 SM TO 1 1/8 SM - NEW OBSTACLE EVALUATION.
9. ADDED "MAX 6000" TO PROFILE LINE 2 - IAW 8260.19I, 8-6-7B(2).
10. FPAP LAT/LONG UPDATED FROM 451931.1700N/0962548.2500W TO 451931.1730N/0962548.2375W - UPDATED AIRNAV DATA.
11. CRC REMAINDER CHANGED FROM "4762E60F" TO "22C91FEF" - FPAP LAT/LONG CHANGED FROM 451931.1700N/0962548.2500W TO 451931.1730N/0962548.2375W.
12. REMOVED DME/DME NOTE AND ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - DME/DME NOTE NO LONGER REQUIRED, IAW 8260.19I 8-6-8.B.(2).

COORDINATED WITH:

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

FLIGHT CHECKED BY

SCOTT WIEBE

*Digitally signed by***CASIMIR L TABAKA**

Aug 03, 2022

OFFICE

FPO

DATE

08/02/2022

DEVELOPED BY

CASIMIR L. TABAKA (JOSHUA SAENZ)

*Digitally signed by***CASIMIR L TABAKA**

Jun 30, 2022

OFFICE

AJV-A432

DATE

05/10/2022

APPROVED BY

CASIMIR TABAKA

*Digitally signed by***CASIMIR L TABAKA**

Jun 30, 2022

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	KVVV
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	451803.8600N
LTP/FTP LONGITUDE	0962523.1780W
LTP/FTP ELLIPSOIDAL HEIGHT	+03078
FPAP LATITUDE	451931.1730N
FPAP LONGITUDE	0962548.2375W
THRESHOLD CROSSING HEIGHT (TCH)	00040.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	22C91FEF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03336
FPAP ORTHOMETRIC HEIGHT	+03336