

**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> KOTG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> WORTHINGTON	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1574	<u>TDZE</u> 1574	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 01/27/2022	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2015
<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
POGSE	IAF	JIMED	NOPT	TF	FB	1.00	138.56	19.72	3300
GOPEC	IAF	JIMED	NOPT	TF	FB	1.00	213.56	19.14	3300
JIMED	IF/IAF	ZERIX		TF	FB	1.00	178.00	6.97	3000
ZERIX	FAF	OMLAE/1.57 NM TO RW18		TF	FB	0.30	178.00	2.83	
OMLAE/1.57 NM TO RW18		RW18	MAP	TF	FO	0.30	178.00	1.57	
RW18	MAP	1774 MSL		CA			178.00		
1774 MSL		OSIGE		DF	FB	1.00			
OSIGE		BILOO		TF	FO	1.00	174.13	6.53	3300

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3300 DIRECT OSIGE AND ON TRACK 174.13 TO BILOO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD N JIMED, RT, 178.00 INBOUND, 3300 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 178.00 **FAF:** ZERIX **DIST FAF TO MAP:** 4.39 **DIST FAF TO THLD:** 4.39
- 4. **MIN ALT:** JIMED 3300, ZERIX 3000, OMLAE/1.57 NM TO RW18 2100
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.54 **GS ANT:**
- 6. **MIN GP INCPT:** 3000 **GP ALT AT PFAF:** ZERIX 3000 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 30.0
- 8. **MSA FROM:** RW18 3900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT POGSE ON V148 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 354.14 INBOUND.
CHART FAS OBST: 1665 TREE (27-046542) 434058N/0953423W.
1770 AAO 434411N/0953631W.
CHART VDP AT 1.00 NM TO RW18.
WAAS CHANNEL # 93830
REFERENCE PATH ID: W18A
CHART CIRCLING ICON.
LTP HAE: 452.3 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/2, 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	1774	1	200	1774	1	200	1774	1	200	1774	1	200			
LNAV/VNAV DA	1824	1	250	1824	1	250	1824	1	250	1824	1	250			
LNAV MDA	1920	1	346	1920	1	346	1920	1	346	1920	1	346			
CIRCLING	2100	1	526	2100	1	526	2100	1 1/2	526	2320	2 1/2	746			

CHANGES - REASONS

- 1. REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GOPEC ON V175 NOTHEAST BOUND" FROM NOTES - V175 CANCELED PER VOR MON PROGRAM.

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

OFFICE *Digitally signed by*
CASIMIR L TABAKA **DATE**
Oct 13, 2022

DEVELOPED BY

CASIMIR L. TABAKA (SILVIA YOUNG)

Digitally signed by
CASIMIR L TABAKA
Oct 13, 2022

OFFICE
AJV-A432 **DATE**
08/09/2022

APPROVED BY

JOHNNIE BAKER

Digitally signed by
CASIMIR L TABAKA
Oct 13, 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	KOTG
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	433941.7480N
LTP/FTP LONGITUDE	0953500.4920W
LTP/FTP ELLIPSOIDAL HEIGHT	+04523
FPAP LATITUDE	433812.6370N
FPAP LONGITUDE	0953500.4925W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	7FA9F570

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04790
FPAP ORTHOMETRIC HEIGHT	+04790

