

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> KIRS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> STURGIS	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 925	<u>TDZE</u> 915	<u>SUPERSEDED</u> RNAV (GPS) RWY 19	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 12/29/2022	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MARCH 2024	<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>
NUPGE		WIREP		TF	FB	1.00	287.88	12.06	2500
WIREP	IAF	UKANE	NOPT	TF	FB	1.00	245.75	5.00	2500
RESGY	IAF	UKANE	NOPT	TF	FB	1.00	141.93	9.20	2500
UKANE	IF/IAF	ZUGDA		TF	FB	1.00	185.69	6.13	2500
ZUGDA	FAF	RW19	MAP	TF	FO	0.30	185.69	4.87	
RW19	MAP	1229 MSL		CA			185.69		
1229 MSL		JETKI		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JETKI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N UKANE, RT, 185.69 INBOUND, 2500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 185.69FAF: ZUGDADIST FAF TO MAP: 4.87DIST FAF TO THLD: 4.87

4. MIN ALT: UKANE 2500, ZUGDA 2500

5. DIST TO THLD FROM OM:MM:IM:150 HAT:314 HAT: 0.86GS ANT:

6. MIN GP INCPT: 2500GP ALT AT PFAF : ZUGDA 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW19 2500

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 6 NA AT NIGHT.
CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE THREE RIVERS ALTIMETER SETTING AND INCREASE LPV DA TO 1276 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE LNAVNAV DA TO 1270 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 005.69 INBOUND.
FAS OBST: 1149 AAO 415300N/0852916W.
CHART VDP AT 1.45 NM TO RW19.
WAAS CHANNEL # 90230
REFERENCE PATH ID: W19A
LTP HAE: 243.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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
LPV DA	1235	7/8	320	1235	7/8	320	1235	7/8	320	1235	7/8	320			
LNAV/VNAV DA	1229	7/8	314	1229	7/8	314	1229	7/8	314	1229	7/8	314			
LNAV MDA	1400	1	485	1400	1	485	1400	1 3/8	485	1400	1 3/8	485			
CIRCLING	1440	1	515	1440	1	515	1620	2	695	1620	2 1/4	695			

QUALITY
34
CHECKED

CHANGES - REASONS

1. NOTES: DELETED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT RESGY ON V285 NORTHBOUND AND V100 WESTBOUND." - V285 AND V100 NO LONGER IN USE.
2. NOTES: DELETED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT NUPGE ON V10 EASTBOUND." - V10 NO LONGER IN USE.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, SBN ATCT, AZO ATCT, 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

DATE

CASIMIR L TABAKA

Feb 01, 2024

DEVELOPED BY

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

OFFICE

AJV-A432

DATE

07/27/2023

APPROVED BY

CASIMIR TABAKA

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIRS
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	414912.8100N
LTP/FTP LONGITUDE	0852627.3395W
LTP/FTP ELLIPSOIDAL HEIGHT	+02437
FPAP LATITUDE	414743.6700N
FPAP LONGITUDE	0852626.7000W
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	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	001D23F0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02768
FPAP ORTHOMETRIC HEIGHT	+02768