

**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> 8D4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> SPARTA	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 775	<u>TDZE</u> 764	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>DATED</u> 10/02/2025	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1980
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 157/30 CW 337/30	NOPT	WAGIT	IF/IAF	3000
2. 337/30 CW 067/30		NEWWT	IAF	3000
3. 067/30 CW 157/30		JEBIS	IAF	3000

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>
NEWWT	IAF	WAGIT	NOPT	TF	FB	1.00	336.67	5.00	3000
JEBIS	IAF	WAGIT	NOPT	TF	FB	1.00	156.59	5.00	3000
WAGIT	IF/IAF	DADFY		TF	FB	1.00	246.63	6.10	2500
DADFY	FAF	SINGS/2.65 NM TO RW25		TF	FB	0.30	246.53	2.66	
SINGS/2.65 NM TO RW25		RW25	MAP	TF	FO	0.30	246.53	2.65	
RW25	MAP	1175 MSL		CA			246.53		
1175 MSL		HUUNT		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT HUUNT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | | | | | |
|---|-----------------------|---------------------------|-----------------------|------------------------------|--------------|-------------------------------|------------|--|------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | | | | |
| 2. HOLD NE WAGIT, RT, 246.63 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000. | | | | | | | | | |
| 3. FAC: 246.53 | | FAF: DADFY | | DIST FAF TO MAP: 5.31 | | DIST FAF TO THLD: 5.31 | | | |
| 4. MIN ALT: WAGIT 3000, DADFY 2500, SINGS/2.65 NM TO RW25 1640 | | | | | | | | | |
| 5. DIST TO THLD FROM OM: | | MM: | IM: | 150 HAT: | | GS ANT: | | | |
| 6. MIN GP INCPT: | | GP ALT AT FAF: | | TCH: | | OM: | MM: | | IM: |
| 7. GP ANGLE: | | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | | | | | | |
| 8. MSA FROM: | | | | | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: VDP NA WHEN USING GRR ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRR ALTIMETER SETTING AND INCREASE CIRCLING CAT B MDA 20 FT.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 066.30 INBOUND.
 CHART FAS OBST: 944 ANTENNA (26-041601) 430907N/0853653W.
 CHART VDP AT 1.22 NM TO RW25.
 CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

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
LNAV MDA	1240	1	476	1240	1	476		NA			NA					
CIRCLING	1300	1	525	1340	1	565		NA			NA					

CHANGES - REASONS

NOTES: DELETED "CIRCLING RWY 7 NA AT NIGHT" - RWY 7 20:1 OBSTACLES REMOVED AND NIGHT MINIMUMS RESTORED.



AIRPORT ID
8D4

PROCEDURE NAME
RNAV (GPS) RWY 25

ORIGINAL/AMENDMENT
ORIG-D

CITY
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STATE
MI

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZAU, GRR APP CON, ARPT MGR.

FLIGHT CHECKED BY

JORDAN ROLIH

Digitally signed by

RAKE MCGRAW

Apr 13, 2026

OFFICE

AJF

DATE

04/09/2026

DEVELOPED BY

DUSTIN HARDISON

Digitally signed by

RAKE MCGRAW

Apr 13, 2026

OFFICE

AJV-A422

DATE

02/12/2026

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

Apr 13, 2026

OFFICE

AJV-A422

DATE

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> 8D4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>AMDT NO.</u> ORIG-D	<u>CITY</u> SPARTA	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 775	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 157/30 CW 337/30 **TO** WAGIT

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TERRAIN (26-029826)	434103.71N/0853454.03W	1559	50	20	2C	1000				AT441	3000
TERRAIN	434103.00N/0853457.00W	1338 (1300)								AS1500	2800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM 337/30 CW 067/30 **TO** NEWWT

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (26-001692)	424045.27N/0850356.35W	1957	20	3	1A	1000					3000
TERRAIN	424748.00N/0853900.00W	1036 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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RIGHT BASE AREA

FROM
067/30 CW 157/30

TO
JEBIS

RNP DISTANCE PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (26-002926)	431835.40N/0855444.80W	1847	500	50	5D	1000				AT153	3000
TERRAIN	432157.00N/0853612.00W	1118 (1100)								AS1500	2600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
NEWWT

TO
WAGIT

RNP DISTANCE PAT MAP HAT HMAS
1.00 5.00

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (26-001962)	431409.00N/0852700.00W	1234	500	50	5D	1000				AT766	3000
TERRAIN	431300.00N/0852554.00W	1010 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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FACILITY
RNAV

INITIAL

FROM
JEBIS

TO
WAGIT

RNP
1.00

DISTANCE
5.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	431409.00N/0852939.00W	1237	215	8	4B	1000				AT763	3000
TERRAIN	431409.00N/0852939.00W	1036 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
WAGIT (IF/IAF)

TO
DADFY

RNP
1.00

DISTANCE
6.10

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (26-002202)	431148.00N/0853106.00W	1378	50	20	2C	500				AT600	2500
TERRAIN	431406.00N/0852939.00W	1033 (1000)								AS1500	2500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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775

FACILITY
RNAV

FINAL: LNAV

FROM
DADFY

TO
SINGS/2.65 NM TO RW25

RNP
0.30

DISTANCE
2.66

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	431042.00N/0853421.00W	1080	215	8	4B	250				RA40 DG270	1640

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM
SINGS/2.65 NM TO RW25

TO
RW25

RNP
0.30

DISTANCE
2.65

PAT

MAP
RW25

HAT
476

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
ANTENNA (26-041601)	430906.91N/0853652.81W	944	20	3	1A	250				RA40	1240

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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FACILITY
RNAV

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TREE (26-169237)	430701.17N/0854239.15W	1.30	525	954	20	3	1A	300		RA40	1300
CATEGORY B											
TREE (26-169266)	430653.48N/0854319.46W	1.83	565	1006	20	3	1A	300		XP20	1340

CIRCLING REMARKS:

XP = 20 TO MATCH PUBLISHED MINS.

MSA/ESA

CENTER RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

GRR APP CON, ZAU ARTCC, LAN FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-3PT	8D4	24	8D4		Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	GRR	24	GRR	16.24	Y	39

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
8D4 775, GRR 786
RA = 39.0.

PRIMARY NAVAID **MONITOR POINT** **HRS OPERATION** **CAT**

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW07 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)	NPI-G	
RW25 - MIRL (PCL), REIL (PCL), PAPI-4R (PCL)	NPI-G	

GLIDESLOPE ANGLE **ELEV RWY THRESHOLD** **TCH** **ELEV GS ANTENNA** **DISTANCE FROM RWY** **VGSI ANGLE** **TCH**
3.50 42.1

FINAL APPROACH COURSE AIMING



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RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV
34:1	
846 TREE (26-036603) 430720.12N/0854128.19W (27.31)	837 TREE (26-042048) 430720.75N/0854125.85W (23.70)
842 TREE (26-169235) 430724.85N/0854131.81W (22.82)	841 TREE (26-036604) 430720.33N/0854128.54W (21.92)
838 TREE (26-036601) 430718.48N/0854125.92W (21.44)	824 TREE (26-035229) 430722.13N/0854122.67W (18.75)
854 TREE (26-168594) 430718.80N/0854136.31W (17.79)	833 TREE (26-169276) 430718.96N/0854127.12W (14.78)
869 TREE (26-168983) 430712.13N/0854141.15W (14.24)	860 TREE (26-096886) 430713.39N/0854137.67W (13.70)
826 TREE (26-168771) 430719.10N/0854125.42W (11.26)	866 TREE (26-097038) 430713.67N/0854143.26W (9.28)
827 TREE (26-168940) 430723.42N/0854130.12W (9.12)	810 TREE (26-169164) 430723.23N/0854121.30W (8.92)
827 TREE (26-036602) 430724.31N/0854130.89W (8.86)	820 TREE (26-168438) 430725.96N/0854128.89W (8.00)
795 TREE (26-042175) 430728.92N/0854118.39W (7.38)	816 TREE (26-042045) 430724.38N/0854126.33W (6.77)
790 TREE (26-168333) 430728.52N/0854116.19W (6.08)	802 TREE (26-168371) 430723.80N/0854119.19W (5.78)
858 TREE (26-042103) 430713.33N/0854140.75W (5.66)	857 TREE (26-042101) 430715.33N/0854141.96W (5.08)
842 TREE (26-042002) 430716.91N/0854135.64W (4.48)	818 TREE (26-168682) 430722.99N/0854127.65W (4.30)
787 TREE (26-168533) 430728.52N/0854115.78W (3.88)	840 TREE (26-042001) 430715.09N/0854133.64W (3.84)
855 TREE (26-036674) 430711.78N/0854139.16W (3.60)	809 TREE (26-042081) 430726.02N/0854125.53W (3.58)
786 TREE (26-168464) 430728.73N/0854115.64W (3.44)	864 TREE (26-169168) 430711.25N/0854144.03W (2.46)
831 TREE (26-036783) 430719.23N/0854132.74W (2.28)	804 TREE (26-096315) 430723.32N/0854121.75W (2.17)
800 TREE (26-168609) 430723.30N/0854119.73W (2.05)	827 TREE (26-096762) 430722.12N/0854132.86W (2.03)
844 TREE (26-042004) 430717.11N/0854138.13W (1.94)	826 TREE (26-042152) 430718.80N/0854130.17W (1.66)
784 TREE (26-169340) 430729.02N/0854115.86W (1.41)	785 TREE (26-169148) 430727.88N/0854115.69W (1.17)
848 TREE (26-042008) 430715.28N/0854139.39W (0.98)	813 TREE (26-036751) 430725.36N/0854128.55W (0.83)
858 TREE (26-042877) 430711.77N/0854142.30W (0.52)	848 TREE (26-036673) 430716.49N/0854140.64W (0.23)
824 TREE (26-036781) 430723.70N/0854133.40W (0.16)	

PENETRATIONS REMARKS:



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HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FLIGHT INSPECTION RESULTS DO NOT WARRANT A VDA.
COMPUTED PROCEDURE VDA/TCH: 3.05/40.00, REMOVED PER FLIGHT INSPECTION.
NON-SURVEYED VEGETATION: STANDARD 100 FT USED.
LPV AND LNAV/VNAV NOT DEVELOPED PER FPT.
RA ADDED TO LNAV CATS A/B AND CIRCLING CAT A TO MATCH PUBLISHED MINS,
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	3.44
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	1.20
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	242.53
DISTANCE FROM	THLD	TO 1500FT POINT	1000
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	5.10
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	1.95
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	242.53
			1000

THRESHOLD COORDINATES (IF STR-IN)

430747.98N/0854020.76W

ARP COORDINATES

430738.78N/0854044.87W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 25 DISTANCE 0.33 NM

FAF COORDINATES

431015.01N/0853355.20W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME

DUSTIN HARDISON

OFFICE

AJV-A422

DATE

02/12/2026

TITLE

AERONAUTICAL INFORMATION SPECIALIST

