

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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
8D4	RNAV (GPS) RWY 7	ORIG-D	SPARTA	MI	775	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 336/30 CW 156/30 **TO** HUUNT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>

<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 (26-000003)	423755.00N/0853216.00W	1900	20	50	1D	1000				AT100	3000
TERRAIN	423739.00N/0855142.00W	987 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

LEFT BASE AREA

FROM 156/30 CW 246/30 **TO** EZAYE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>

<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	423739.00N/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:



RIGHT BASE AREA

FROM

246/30 CW 336/30

TO

JUBAD

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<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 (26-000456)	423415.00N/0852809.00W	1956	250	50	4D	1000					3000
TERRAIN	423709.00N/0852612.00W	1131 (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

EZAYE

TO

HUUNT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
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 (26-001909)	430322.00N/0855440.00W	1008	500	50	5D	1000				AT992	3000
TERRAIN	430533.00N/0855333.00W	761 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

JUBAD

TO

HUUNT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
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 (26-001268)	425718.00N/0855405.00W	1669	500	50	5D	1000				AT331	3000
TERRAIN	425906.00N/0855054.00W	767 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

HUUNT (IF/IAF)

TO

FELYN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	6.10										
<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>
AAO	430603.00N/0854803.00W	1050	215	8	4B	500				AT950	2500
TERRAIN	430600.00N/0854857.00W	849 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

FELYN

TO

RW07

RNP

0.30

DISTANCE

5.22

PAT

MAP

RW07

HAT

605

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	430521.00N/0854512.00W	1076	215	8	4B	250				RA40	1380

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

HUUNT

TO

P-5

RNP

DISTANCE

PAT

P-5

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (26-001268)	425718.00N/0855405.00W	1669	500	50	5D	1000				AT331	3000
TERRAIN	430409.00N/0854848.00W	797 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW07

TO

WAGIT

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1280			
<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>
							ASC				3000
TOWER (26-002202)	431148.00N/0853106.00W	1378	50	20	2C	1000					2400
TERRAIN	411406.00N/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:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (26-169237)	430701.17N/0854239.15W	1.30	605	954	20	3	1A	300		SI	1380
CATEGORY B											
TREE (26-169266)	430653.48N/0854319.46W	1.83	605	1006	20	3	1A	300		SI	1380

CIRCLING REMARKS:

RA ADJUSTMENT IS ACCOUNTED FOR BY THE SI ADJUSTMENT.

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

GRR APP CON, ZAU ARTCC, LAN FSS

WX SERVICE

AWOS-3PT

LOCATION

8D4

HRS OPERATION

24

ALTIMETER SOURCE

8D4

DISTANCE

WMSCR

Y

ADJUSTMENTS

0

QUALITY

18

CHECKED

<u>AIRPORT ID</u> 8D4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>AMDT NO.</u> ORIG-D	<u>CITY</u> SPARTA	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 775	<u>FACILITY</u> RNAV
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> GRR	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> GRR	<u>DISTANCE</u> 16.24	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 39

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
K8D4 775, KGRR 786
RA = 39.0.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<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 - REIL (PCL), MIRL (PCL), PAPI-4R (PCL)	NPI-G		

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.50	<u>TCH</u> 42.4
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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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)		

QUALITY
18
CHECKED

<u>AIRPORT ID</u> 8D4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>AMDT NO.</u> ORIG-D	<u>CITY</u> SPARTA	<u>STATE</u> MI	<u>AIRPORT ELEVATION</u> 775	<u>FACILITY</u> RNAV
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)						
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FLIGHT INSPECTION RESULTS DO NOT WARRANT A VDA.
VDP NOT ESTABLISHED - 20:1 OBSTACLES.
COMPUTED PROCEDURE VDA/TCH: 3.04/40.00, REMOVED PER FLIGHT INSPECTION.
NON-SURVEYED VEGETATION: STANDARD 100 FT USED
LPV AND LNAV/VNAV NOT DEVELOPED PER FPT
IAW 8260.19K PARA 8-6-10.F, RA ADJUSTMENT ADDED TO FINAL.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> 8D4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<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 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	3.22
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	062.41
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.02
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	062.41
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)430729.57N/0854108.97W

ARP COORDINATES430738.78N/0854044.87W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

FAF COORDINATES

FIX NAME COORDINATES

RUNWAY 25 DISTANCE 0.33 NM430504.64N/0854728.01W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DUSTIN HARDISON	AJV-A422	02/12/2026	AERONAUTICAL INFORMATION SPECIALIST

