

**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> 1D7	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> WEBSTER	<u>STATE</u> SD
<u>AIRPORT ELEVATION</u> 1858	<u>TDZE</u> 1857	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 3E
				<u>EPOCH YEAR</u> 2025
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 030/30 CW 210/30	NOPT	YASUN	IF/IAF	4000
2. 210/30 CW 030/30		210/20 CW 030/20		4600
3. 210/20 CW 030/20		YASUN	IF/IAF	4000

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>
YASUN	IF/IAF	WAHTA		TF	FB	1.00	119.88	4.00	3500
WAHTA	FAF	BERKY/1.78 NM TO RW12		TF	FB	0.30	119.94	3.27	
BERKY/1.78 NM TO RW12		RW12	MAP	TF	FO	0.30	119.94	1.78	
RW12	MAP	2258 MSL		CA			119.94		
2258 MSL		HOAGI		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT HOAGI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NW YASUN, RT, 119.88 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	119.94	FAF:	WAHTA	DIST FAF TO MAP:	5.05	DIST FAF TO THLD:	5.05							
4.	MIN ALT:	YASUN 4000, WAHTA 3500, BERKY/1.78 NM TO RW12 2460													
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 CLEAR	20:1:	IS NOT CLEAR	TCH:								
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: CIRCLING NA TO RWYS 1 AND 19.
CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: USE ATY ALTIMETER SETTING; WHEN NOT RECEIVED, USE 6E5 ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET

ADDITIONAL FLIGHT DATA:

CHART ATY ASOS-3.
WAHTA TO RW12: 3.00/35.
HOLD SE, RT, 300.15 INBOUND.
FAS OBST: 1964 TREE 451754N/0973033W.
2074 AAO 452118N/0973621W.

MINIMUMS:

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

ALTERNATE: NA ☒

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	2300	1	443	2300	1	443		NA			NA				
CIRCLING	2360	1	502	2380	1	522		NA			NA				

CHANGES - REASONS

ORIG PROCEDURE, VFR TO IFR AIRPORT.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZMP ARTCC, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

DEVON KERCHER

OFFICE

AJV-A431

DATE

09/25/2024

APPROVED BY

ERIC N SUSKI

OFFICE

AJV-A431

DATE

04/17/2025

TITLE

MANAGER



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>
1D7	RNAV (GPS) RWY 12	ORIG	WEBSTER	SD	1858	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 030/30 CW 210/30 **TO** YASUN

<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 (46-000176)	452954.00N/0974029.00W	2925	250	50	4D	1000					4000
TERRAIN	454854.00N/0972703.00W	2083 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 210/30 CW 030/30 **TO** 210/20 CW 030/20

<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 (46-000261)	445756.00N/0973523.00W	3554	250	50	4D	1000					4600
TERRAIN	452815.00N/0970621.00W	2129 (2100)								AS1500	3600

COMPUTATIONS

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

SEGMENT REMARKS:



STRAIGHT-IN AREA

FROM

210/20 CW 030/20

TO

YASUN

<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 (46-000176)	452954.00N/0974029.00W	2925	250	50	4D	1000					4000
TERRAIN	452818.00N/0971536.00W	2014 (2000)								AS1500	3500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: LNAV

FROM

YASUN (IF/IAF)

TO

WAHTA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	4.00										
<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>
AAO	452148.00N/0973727.00W	2080	215	8	4B	500				AT920	3500
TERRAIN	452148.00N/0973727.00W	1879 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

WAHTA

TO

BERKY/1.78 NM TO RW12

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.27										
<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	452018.00N/0973536.00W	2061	215	8	4B	250				RA139	2460

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

BERKY/1.78 NM TO RW12

TO

RW12

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.78		RW12		443						
<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>
TREE	451754.00N/0973033.00W	1964	215	8	4B	250				RA79	2300

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
YASUN

TO
P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<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>
AAO	452145.00N/0973600.00W	2087	215	8	4B	1000				AT913	4000
TERRAIN	452145.00N/0973600.00W	1886 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW12

TO
HOAGI

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 2121			
<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				4000
AAO	451627.00N/0972521.00W	2067	215	8	4B	1000					3100
TERRAIN	451606.00N/0972715.00W	1866 (1900)								AS1500	3400

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	451857.00N/0973130.00W	1.32	502	1974	215	8	4B	300		RA79	2360
CATEGORY B											
TREE	451924.00N/0973127.00W	1.87	522	1994	215	8	4B	300		RA79	2380

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	ATY	24	ATY	27.39	Y	79
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3P	6E5	24	6E5	51.68	Y	138

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
1D7 1858, ATY 1749
RA = 78.3
RASS PRESSURE PATTERNS THE SAME
1D7 1858, 6E5 1722
RA = 137.9

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW19			
RW01			
RW12 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW30 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	35.3

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	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	CIRCLING: RW12		
20:1			
1874 TRAVERSE_WAY (46-026444) 451745.0200N/0973111.9400W (1.33)		QUALITY 29	
FINAL TYPE	LNAV		

<u>AIRPORT ID</u> 1D7	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>AMDT NO.</u> ORIG	<u>CITY</u> WEBSTER	<u>STATE</u> SD	<u>AIRPORT ELEVATION</u> 1858	<u>FACILITY</u> RNAV
20:1						
1874 TRAVERSE_WAY (46-026444) 451745.0200N/0973111.9400W (1.33)						
FINAL TYPE	LNAV					
34:1						
1875 TRAVERSE_WAY (46-026489) 451746.1800N/0973111.9500W (7.05)				1874 TRAVERSE_WAY (46-027143) 451747.7700N/0973111.9600W (3.45)		
<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:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE, REMOTE PRIMARY ALTIMETER.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
100 FT VEGETATION USED PER FPT.
CIRCLING NA TO RWY 1/19 - TURF RWY.
ORDER 8260.3 CHAPTER 2 APPLIED TO 2074 AAO 452118.00N/0973621.00W.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #24-AGL-7

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	3.05
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	122.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1900
DISTANCE FROM	THLD	TO 1500FT POINT	4.85
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	122.94
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1900

THRESHOLD COORDINATES (IF STR-IN)451744.25N/0973103.95W

ARP COORDINATES451735.20N/0973049.00W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

FAF COORDINATESRUNWAY 30 DISTANCE 0.38 NM

FIX NAME COORDINATES452029.12N/0973704.14W

REMARKS

IF/IAF YASUN 452239.49N/0974149.89W 30 NM RADIUS

PART E: PREPARED BY

NAME

DEVON KERCHER

OFFICE

AJV-A431

DATE

09/25/2024

TITLE

AERONAUTICAL INFORMATION SPECIALIST