

**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> 0S9	<u>PROCEDURE NAME</u> RNAV (GPS) -A	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> PORT TOWNSEND	<u>STATE</u> WA		
<u>AIRPORT ELEVATION</u> 110	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 04/21/2022	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
JAWBN		YAYUB		TF	FO	1.00	275.80	11.24	4300
WATTR		YAYUB		TF	FO	1.00	234.56	6.89	3200
JIGEB		YAYUB		TF	FO	1.00	185.58	8.44	3200
YAYUB	IF/IAF	WIKUV		TF	FB	1.00	087.44	7.70	2000
WIKUV	FAF	RW09	MAP	TF	FO	0.30	087.58	4.14	
RW09	MAP	510 MSL		CA			087.58		
510 MSL		WATTR		DF	FO	1.00			5400

MISSED APPROACH

MAP:
RW09

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 5400 DIRECT WATTR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5400.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD W YAYUB, LT, 087.44 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 087.58

FAF: WIKUV

DIST FAF TO MAP: 4.14

DIST FAF TO THLD:

4. MIN ALT: YAYUB 3200, WIKUV 2000

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: ARP OS9 9000

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: RWY 9, 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATTR ON T268 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAWBN ON V4 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART CHINOOK B MOA
WIKUV TO RW09 4.20/43
HOLD NW, RT, 133.08 INBOUND.
FAS OBST: 700 AAO 480414N/1225119W.

MINIMUMS:

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

ALTERNATE: NA ☐ CAT A, B 900-2.; 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
CIRCLING	960	1 1/4	850	980	1 1/4	870		NA			NA				



CHANGES - REASONS

1. ADDED RNP APCH TO PBN REQUIREMENTS NOTE - GPS - 8260.19I PARA 8-6-8
2. REMOVED CHART NOTE: DME/DME RNP-0.3 NA - NO LONGER REQUIRED
3. ADDED 20:1 IS NOT CLEAR - 20:1 IS NOT CLEAR
4. ADDED 34:1 IS NOT CLEAR - 34:1 IS NOT CLEAR
5. MOVED BACKUP ALTIMETER NOTE TO DATA RECORD, CHANGED TO READ CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WHIDBEY ISLAND NAS (AULT FLD) ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET
6. ADDED MAX 6000 TO HOLD IN LIEU (LINE 2) - MAX HIL ALTITUDE NOW REQUIRED
7. LOWERED CAT A CMDA/HAA FROM 1000/890 TO 960/850 AND CAT B CMDA/HAA FROM 1060/950 TO 980/870 - 0S9 NOW HAS LOCAL ALTIMETER
8. MOVED PFAF FROM 480439.58N/1225727.91W TO 480415.65N/1225459.87W - VDA EQUAL TO, BUT NOT GREATER THAN 0.20 DEGREES GREATER THAN VGSI 8260.3E 2-6-2A
9. CHANGED VDA FROM 2.98 (DEG) TO 4.20(DEG) - VDA EQUAL TO, BUT NOT GREATER THAN 0.20 DEGREES GREATER THAN VGSI 8260.3E 2-6-2A
10. CHANGED FAC FROM 87.55 TO 87.58 - NEW PFAF LOCATION
11. CHANGED FAF TO MAP DISTANCE FROM 5.85 NM TO 4.14 NM - NEW PFAF LOCATION
12. CHANGED INTERMEDIATE LEG (YAYUB - WIKUV) FROM 6.0 NM TO 7.70 NM - NEW PFAF LOCATION
13. ADDED ALTERNATE MINIMUMS CAT A, B 900-2 - 0S9 HAS LOCAL ALTIMETER
14. MSA REFERENCE POINT CHANGED FROM THE RWY THLD TO THE ARP - IAW 8260.3 PARA 2-3-2. B. (2)

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

NUW APP CON, ZSE, AMGR

FLIGHT CHECKED BY

BRANDON C EASTIN

Digitally signed by

DAVID TEFFETELLER

OFFICE

FPO

DATE

03/15/2023

DEVELOPED BY

CASIMIR L. TABAKA (PHILLIP SMART)

Digitally signed by

DAVID TEFFETELLER

Mar 17, 2023

OFFICE

AJV-A432

DATE

11/04/2022

APPROVED BY

JOHNNIE BAKER

Digitally signed by

DAVID TEFFETELLER

Mar 17, 2023

OFFICE

AJV-A430

DATE

04/20/2023

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>
0S9	RNAV (GPS) -A	1	PORT TOWNSEND	WA	110	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM JAWBN TO YAYUB

<u>RNP</u>	<u>DISTANCE</u> 11.24	<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>
AAO	480106.00N/1225530.00W		2231	164	98	4E	2000					4300
TERRAIN	480106.00N/1225530.00W		2030 (2000)								AS1500	3500

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM WATTR TO YAYUB

<u>RNP</u>	<u>DISTANCE</u> 6.89	<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>
AAO	480351.00N/1230633.00W		614	164	98	4E	2000				AT586	3200
TERRAIN	480412.00N/1230506.00W		331 (300)								AS1500	1800

COMPUTATIONS

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

SEGMENT REMARKS:



FEEDER

FROM

JIGEB

TO

YAYUB

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	8.44											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	480524.00N/1230442.00W		424	164	98	4E	2000				AT776	3200
TERRAIN	480539.00N/1230436.00W		197 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

YAYUB (IF/IAF)

TO

WIKUV

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	7.70											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	480330.00N/1230503.00W		1175	164	98	4E	500				AC98 SA-189 PR100 AT316	2000
TERRAIN	480351.00N/1230512.00W		698 (700)								AS1000	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

WIKUV

TO

RW09

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	4.14		RW09									
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	480414.34N/1225119.08W		700	50	20	2C	250					960

COMPUTATIONS

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

HOLD-IN-LIEU OF PT

FROM

YAYUB

TO

P-5

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
		P-5										
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	480118.00N/1230627.00W		2766	164	98	4E	1000				SA-746 PR130	3200
TERRAIN	480221.00N/1230706.00W		1345 (1300)								AS1500	2800

COMPUTATIONS

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



MISSED APPROACH : LNAV

FROM

RW09

TO

WATTR

RNP	DISTANCE	PAT	MAP	HAT			HMAS 850					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				5400
AAO	480439.00N/1225200.00W		702	164	98	4E	1000					1800
TERRAIN	480439.00N/1225200.00W		501 (500)								AS1500	2000

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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											
TOWER (53-021660)	480409.45N/1224803.75W	1.30	850	504	250	125	4E	300		SI	960
CATEGORY B											
AAO	480409.73N/1225113.38W	1.81	870	680	50	20	2C	300			980

CIRCLING REMARKS:

MSA

CENTER	RADIUS
ARP 0S9	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TERRAIN (53-081594)	474848.00N/1231400.00W	214	22.3	7988	50	3	2A	1000			9000

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

MAX VEGETATION ASSUMED TO BE 125 FT PER FPT.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
NUW APP CON, ZSE ARTCC, SEA FSS

<u>WX SERVICE</u> AWOS-3P	<u>LOCATION</u> K0S9	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> K0S9	<u>DISTANCE</u> 0.26	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KNUW	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KNUW	<u>DISTANCE</u> 18.94	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 53

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME K0S9 110 KNUW 47 RA = 52.4

<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>
RW09 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)		BSC-G	
RW27 - MIRL (PCL), REIL (PCL), PAPI-2R (PCL)		BSC-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> 4.25	<u>TCH</u> 42.7
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	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	CIRCLING RWY 27		
20:1			
231 TREE (53-034822) 480309.65N/1224743.87W (25.49)		202 TREE (53-032024) 480304.29N/1224749.47W (8.56)	
Final Type	CIRCLING RWY 27		



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OS9	RNAV (GPS) -A	1	PORT TOWNSEND	WA	110	RNAV
34:1						
.						
Final Type	FINAL/CIRCLING RWY 9					
20:1						
314 TREE (53-035445) 480334.58N/1224957.52W (3.64)			120 TREE (53-034797) 480319.29N/1224904.99W (1.31)			
Final Type	FINAL/CIRCLING RWY 9					
34:1						
471 TREE (53-034030) 480350.4200N/1225103.4000W (104.6)			464 TREE (53-034774) 480350.4800N/1225100.6700W (102.85)			
461 TREE (53-032081) 480346.3800N/1225101.2700W (101.57)			456 TREE (53-034787) 480348.5300N/1225059.1900W (99.1)			
457 TREE (53-064300) 480348.1700N/1225102.2200W (94.47)			465 TREE (53-032050) 480352.1000N/1225105.9500W (92.47)			
447 TREE (53-035384) 480350.8200N/1225058.1500W (90.51)			435 TREE (53-033740) 480345.7900N/1225056.9800W (84.31)			
458 TREE (53-031916) 480353.3100N/1225108.9400W (78.81)			434 TREE (53-064302) 480344.5000N/1225100.0500W (78.26)			
437 TREE (53-032082) 480343.0900N/1225102.5900W (77.32)			447 TREE (53-035126) 480349.5800N/1225106.3200W (75.52)			
442 TREE (53-035124) 480347.2400N/1225105.3200W (74.1)			425 TREE (53-064297) 480343.1300N/1225058.1300W (73.95)			
437 TREE (53-035708) 480345.2100N/1225104.0300W (73.03)			422 TREE (53-032102) 480347.9500N/1225055.7300W (72.22)			
451 TREE (53-064307) 480354.2800N/1225111.0300W (67.07)			289 TREE (53-035108) 480332.7600N/1224957.9500W (62.08)			
413 TREE (53-035726) 480336.5200N/1225100.4800W (62.02)			441 TREE (53-033298) 480351.4200N/1225109.6200W (61.82)			
261 TREE (53-032894) 480330.6000N/1224944.9400W (60.86)			405 TREE (53-032095) 480342.1500N/1225055.1800W (60.36)			
408 TREE (53-035724) 480349.8400N/1225054.3900W (59.5)			440 TREE (53-034421) 480350.0600N/1225112.1400W (56.88)			
269 TREE (53-032871) 480331.9900N/1224951.7600W (54.64)			274 TREE (53-033577) 480332.3900N/1224954.8600W (53.34)			
287 TREE (53-032108) 480335.5000N/1225000.6300W (52.95)			260 TREE (53-032062) 480331.3200N/1224948.2500W (52.93)			
430 TREE (53-033346) 480349.1400N/1225109.6900W (52.28)			395 TREE (53-031961) 480344.4800N/1225053.7500W (51.5)			
393 TREE (53-031960) 480346.9100N/1225052.5300W (50.17)			402 TREE (53-064306) 480340.4000N/1225100.3300W (48.59)			
433 TREE (53-035332) 480351.8500N/1225112.2000W (48.51)			390 TREE (53-031958) 480349.0700N/1225051.0800W (48.46)			
436 TREE (53-064314) 480354.4700N/1225114.0200W (46.13)			236 TREE (53-034185) 480330.2900N/1224941.9000W (41.98)			
387 TREE (53-035723) 480339.4700N/1225056.5100W (41.66)			274 TREE (53-034303) 480333.5200N/1225001.5300W (39.59)			
405 TREE (53-064312) 480343.3300N/1225105.7100W (39.09)			387 TREE (53-032101) 480338.3600N/1225058.8500W (37.9)			
406 TREE (53-064311) 480345.6600N/1225106.8500W (36.24)			372 TREE (53-031957) 480343.5600N/1225050.5000W (35.46)			
373 TREE (53-064294) 480341.3000N/1225051.9800W (35.17)			196 TREE (53-031581) 480324.6900N/1224928.1800W (32.56)			

QUALITY

25



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OS9	RNAV (GPS) -A	1	PORT TOWNSEND	WA	110	RNAV
371 TREE (53-033906)	480338.7900N/1225053.6200W (31.75)		199 TREE (53-031586)	480324.7600N/1224930.2000W (31.58)		
392 TREE (53-064313)	480340.8000N/1225104.0500W (31.09)		366 TREE (53-033344)	480345.7500N/1225049.2800W (30.29)		
363 TREE (53-035745)	480347.7300N/1225048.0600W (28.27)		419 TREE (53-033714)	480352.3100N/1225115.3200W (28.13)		
212 TREE (53-032002)	480329.0200N/1224937.2300W (27.94)		403 TREE (53-064315)	480346.5200N/1225109.6300W (27.24)		
196 TREE (53-033021)	480319.6500N/1224933.2700W (26.22)		382 TREE (53-064310)	480339.2700N/1225102.0800W (25.99)		
366 TREE (53-064305)	480336.6300N/1225056.0500W (23.55)		254 TREE (53-035109)	480331.8900N/1225000.1200W (23.48)		
203 TREE (53-034203)	480324.3700N/1224937.0300W (22.6)		350 TREE (53-033305)	480344.7700N/1225045.9100W (21.52)		
351 TREE (53-064284)	480342.5300N/1225047.4700W (21.07)		186 TREE (53-064249)	480322.7100N/1224929.7200W (20.96)		
417 TREE (53-034633)	480354.9600N/1225117.4500W (20.13)		206 TREE (53-033987)	480324.2600N/1224940.2200W (19.48)		
254 TREE (53-032109)	480332.3200N/1225002.2300W (19.08)		188 TREE (53-031588)	480321.7200N/1224932.5700W (18.12)		
257 TREE (53-032111)	480333.9900N/1225003.9900W (17.49)		180 TREE (53-031579)	480319.1100N/1224929.7600W (17.41)		
189 TREE (53-031590)	480325.7500N/1224932.0000W (17.39)		209 TREE (53-032019)	480325.8700N/1224942.4700W (16.98)		
349 TREE (53-033342)	480338.2400N/1225050.4400W (16.31)		360 TREE (53-035747)	480334.4600N/1225057.7000W (15.87)		
347 TREE (53-031954)	480340.4600N/1225049.0700W (15.41)		191 TREE (53-031996)	480326.1800N/1224934.2500W (14.72)		
190 TREE (53-034818)	480323.7600N/1224934.7200W (14.51)		192 TREE (53-035438)	480320.9300N/1224937.8700W (12.38)		
175 TREE (53-031580)	480326.3000N/1224927.3600W (12.02)		204 TREE (53-034495)	480324.3800N/1224943.0100W (11.98)		
177 TREE (53-033338)	480321.0900N/1224930.3600W (11.85)		182 TREE (53-031589)	480323.5800N/1224932.2600W (11.41)		
188 TREE (53-031998)	480328.1300N/1224934.4700W (9.92)		210 TREE (53-035464)	480328.6400N/1224945.7400W (9.68)		
337 TREE (53-064273)	480346.6700N/1225044.6800W (9.58)		168 TREE (53-033020)	480324.5300N/1224926.0700W (8.77)		
366 TREE (53-032079)	480335.6200N/1225104.6200W (7.62)		187 TREE (53-032000)	480326.0300N/1224937.6000W (4.32)		
391 TREE (53-064479)	480348.6100N/1225114.6900W (3.95)		333 TREE (53-064299)	480332.3800N/1225050.7800W (3.77)		
380 TREE (53-035361)	480344.2900N/1225110.7600W (3.61)		178 TREE (53-064460)	480319.8600N/1224935.7700W (3.21)		
385 TREE (53-031917)	480346.6500N/1225112.7900W (3.01)		179 TREE (53-035753)	480322.1300N/1224935.6300W (2.89)		
155 POLE (53-023242)	480318.2500N/1224924.8400W (2.57)		133 TREE (53-033700)	480317.9500N/1224913.7200W (2.37)		
123 TRAVERSE_WAY (53-034112)	480316.5200N/1224909.7200W (1.14)					

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



<u>AIRPORT ID</u> 0S9	<u>PROCEDURE NAME</u> RNAV (GPS) -A	<u>AMDT NO.</u> 1	<u>CITY</u> PORT TOWNSEND	<u>STATE</u> WA	<u>AIRPORT ELEVATION</u> 110	<u>FACILITY</u> RNAV
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and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - MINIMUMS ARE CIRCLING ONLY.

CIRCLING ONLY MINIMUMS DEVELOPED - BASIC RWY MARKINGS/ PER FPT REQUEST.

CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WHIDBEY ISLAND NAS (AULT FLD) ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET.

CAT C/D LINES OF MINIMA NA DUE TO MISSED APPROACH CONFLICT WITH R-6701.

APPROVAL LETTER: VDA IS LESS THAN THE VGSI ANGLE (FAAO 8260.3C, PARA 2-6-2B), BECAUSE THE VGSI ANGLE OF 4.25 IS ABOVE THE MAXIMUM ANGLE FOR CAT B OF 4.20 (AW FAAO 8260.3E TABLE 2-6-1)

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

QUALITY
25
CHECKED

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Page 9 of 11

AIRPORT ID 0S9	PROCEDURE NAME RNAV (GPS) -A	AMDT NO. 1	CITY PORT TOWNSEND	STATE WA	AIRPORT ELEVATION 110	FACILITY 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	4.14
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	103.58
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	9.84
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	103.44
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD
COORDINATES
(IF STR-IN)

ARP COORDINATES480313.70N/1224838.30W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 27 DISTANCE 0.25 NM

FAF
COORDINATES

480415.65N/1225459.87W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

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25
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Page 10 of 11

FACILITY
RNAV

