

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> PSC	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 12	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> PASCO	<u>STATE</u> WA
<u>AIRPORT ELEVATION</u> 410	<u>TDZE</u> 401	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 12	<u>DATED</u> 11/13/2014	<u>MAG VAR</u> 15E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1	<u>REQUIRED EFFECTIVE DATE</u> 10/02/2025	<u>EPOCH YEAR</u> 2015
		<u>ACTUAL EFFECTIVE DATE</u>	<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>
WATSY	IAF	CULRI		TF	FB	1.00	218.76	18.21	4000
CITYS	IAF	HUKAK		TF	FB	1.00	295.37	14.73	3200
NIALS	IAF	HILOB		TF	FB	1.00	132.02	11.58	3100
GINLE	IAF	HAAVD		TF	FB	1.00	300.68	13.95	3700
CULRI	IF	JUMAT		TF	FB	1.00	219.20	4.05	3000
JUMAT		WEDAV	PFAF	RF	FB	0.50	(2.55 NM RADIUS CCW (CFFML))	4.38	1900
HUKAK	IF	WIDAK		TF	FB	0.50	295.17	3.00	3000
WIDAK		JUMAT		RF	FB	0.50	(2.55 NM RADIUS CCW (CFFML))	3.38	3000
PAIDS	IF	YIZED		TF	FB	1.00	074.87	7.77	2700
YIZED		WEDAV	PFAF	RF	FB	0.50	(3.93 NM RADIUS CW (CFFMW))	3.13	1900
HILOB	IF	WEDAV	PFAF	TF	FB	1.00	120.59	7.96	1900
HAAVD	IF	KAFKA		TF	FB	1.00	300.51	3.94	3100
KAFKA		YIZED		RF	FB	1.00	(3.93 NM RADIUS CW (CFFMW))	9.23	2700
WEDAV	PFAF	RW12	MAP	TF	FO	0.30	120.68	4.56	
RW12	MAP	JIGPI		TF	FB	1.00	120.73	5.80	
JIGPI		ZEGRU		RF	FB	1.00	(4.54 NM RADIUS CCW (CFFMX))	4.42	3200
ZEGRU		CITYS		TF	FO	1.00	065.01	5.84	3200

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 ON TRACK 120.73 TO JIGPI, LEFT TURN TO ZEGRU, AND ON TRACK 065.01 TO CITYS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	PROFILE STARTS AT WEDAV														
3.	FAC:	120.68	PFAF:	WEDAV	DIST FAF TO MAP:	DIST FAF TO THLD:									
4.	MIN ALT:	WEDAV 1900													
5.	DIST TO THLD FROM PFAF:	4.56	MM:	IM:	150 HAT:	380 HAT:	1.05	GS ANT:							
6.	MIN GP INCPT:	1900	GP ALT AT PFAF:	WEDAV 1900		OM:		MM:		IM:					
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	52.9							
8.	MSA FROM:	RW12 4800													

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS, RF. AUTHORIZATION REQUIRED. FROM JUMAT, HUKAK, YIZED: MIN RNP 0.50

NOTES:

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WATSY ON V357 NORTHBOUND, AND V204 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PAIDS ON V204 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS ON V187/T317 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CITYS ON V520 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GINLE ON V298 SOUTHEAST BOUND.
CHART SPEED ICON IN PLANVIEW AT CULRI: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT HUKAK: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT HILOB: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 272.44 INBOUND.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.11 DA	781	1	380	781	1	380	781	1	380	781	1	380			
RNP 0.30 DA	883	1 3/8	482	883	1 3/8	482	883	1 3/8	482	883	1 3/8	482			



CHANGES - REASONS

1. INCREASED RNP 0.11 DA/HAT FROM 769/367 TO 781/380; DECREASED VISIBILITY ALL CATS FROM 1 1/4 TO 1 SM. – NEW CONTROLLING OBSTACLE; IAW 8260.3F TABLE 3-3-1.
2. INCREASED RNP 0.30 HAT FROM 481 TO 482; DECREASED VISIBILITY ALL CATS FROM 1 5/8 TO 1 3/8 SM. - TDZE CHANGED FROM 401 TO 402; IAW 8260.3F TABLE 3-3-1.
3. UPDATED WP PAIDS FROM IAF TO IF; DISTANCE TO YIZED FROM 7.70 TO 7.77; ALTITUDE FROM 2800 TO 2700. – IF YIZED MOVED FOR RF LEG; PER FPT REQUEST.
4. UPDATED INITIAL CITYS COURSE/DISTANCE FROM 295.60/15.62 TO 295.37/14.73. – IF HUKAK MOVED FOR RF LEG WIDAK.
5. REMOVED INITIAL GINLE – MOJUY; INTERMEDIATE MOJUY TO OTAVY, OTAVY TO WIDAK. – PER ATC/FPT REQUEST.
6. ADDED INITIAL GINLE – HAAVD, INTERMEDIATE HAAVD – KAFKA, KAFKA – YIZED. - PER ATC/FPT REQUEST.
7. UPDATED INTERMEDIATE HUKAK – WIDAK COURSE/DISTANCE FROM 295.95/3.00 TO 295.17/3.00. - IF HUKAK MOVED FOR RF LEG WIDAK.
8. UPDATED INTERMEDIATE SD WIDAK – JUMAT COURSE FROM “2.60 NM RADIUS CCW (CFFML)” TO “2.55 NM RADIUS CCW (CFFML)”; DISTANCE FROM 3.49 TO 3.38. – WIDAK AND JUMAT MOVED TO ACCOMMODATE RF LEG.
9. UPDATED INTERMEDIATE CULRI - JUMAT COURSE/DISTANCE FROM 219.08/3.99 TO 219.20/4.05. - JUMAT MOVED TO ACCOMMODATE RF LEG.
10. UPDATED INTERMEDIATE SD JUMAT - WEDAV COURSE FROM “2.60 NM RADIUS CCW (CFFML)” TO “2.55 NM RADIUS CCW (CFFML)”; DISTANCE FROM 4.46 TO 4.38. - WIDAK AND JUMAT MOVED TO ACCOMMODATE RF LEG.
11. UPDATED INTERMEDIATE SD YIZED - WEDAV COURSE FROM “4.08 NM RADIUS CW (CFFMW)” TO “(3.93 NM RADIUS CW (CFFMW)”; DISTANCE FROM 3.25 TO 3.13. - YIZED MOVED TO ACCOMMODATE RF LEG; PFAF WEDAV MOVED TO ACCOMMODATE 3.00/52.9 GPA/TCH.
12. UPDATED INTERMEDIATE HILOB - WEDAV DISTANCE FROM 6.04 TO 7.96; FINAL WEDAV - RW12 DISTANCE FROM 4.55 TO 4.56. – PFAF WEDAV MOVED TO ACCOMMODATE 3.00/52.9 GPA/TCH.
13. UPDATED MISSED APPROACH RW12 – JIGPI COURSE/DISTANCE FROM 120.74/5.77 TO 120.73/5.80; JIGPI – ZEGRU DISTANCE FROM 4.15 TO 4.42; ZEGRU – CITYS DISTANCE FROM 5.86/5.84. – JIGPI/ZEGRU MOVED TO ACCOMMODATE RF LEG TO ZEGRU.
14. UPDATED MISSED APPROACH INSTRUCTIONS FROM “CLIMB TO 3200 ON TRACK 120.74 TO JIGPI, LEFT TURN TO ZEGRU, AND ON TRACK 065.01 TO CITYS AND HOLD.” – WP JIGPI MOVED. ON TRACK 120.73 TO JIGPI, LEFT TURN TO ZEGRU, AND ON TRACK 065.01 TO CITYS AND HOLD.” – WP JIGPI MOVED.
15. LINE 5: UPDATED DIST TO THLD FROM OM: 4.55 TO DIST TO THLD FROM PFAF: 4.56; ADDED DISTANCE TO THLD FROM 380 HAT: 1.05. REMOVED "DISTANCE TO THLD FROM 367 HAT: 0.98 NM" FROM ADDITIONAL FLIGHT DATA. – IAW 8260.19J 8-6-7 E; RNP 0.11 DA INCREASED; FORMS UPDATED.
16. LINE 7: UPDATED 34:1 IS CLEAR TO 34:1 IS NOT CLEAR; ADDED 20:1 IS CLEAR; . – 34:1 PENETRATIONS FOUND; NO 20:1 PENETRATIONS FOUND.
17. LINE 8: UPDATED MSA FROM RW12 4900 TO RW12 4800. - NEW OBSTACLES EVALUATION COMPLETED.
18. ADDED PBN REQUIREMENTS: RNP AR APCH - GPS, RF. AUTHORIZATION REQUIRED. FROM JUMAT, HUKAK, YIZED: MIN RNP 0.50 – IAW 8260.19J 8-6-8 D AND IMPLEMENTATION LETTER.
19. REMOVED CHART NOTES: RF REQUIRED; GPS REQUIRED. – REQUIRED NOTES MOVED TO PBN REQUIREMENTS.
20. UPDATED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14°C (7F) OR ABOVE 54°C (130F) TO -14°C OR ABOVE 54°C. - FAHRENHEIT REMOVED IAW 8260.19J.
21. REMOVED CHART PLANVIEW NOTES: AT OTAVY: MAX 180 KIAS; AT WIDAK: MAX 180 KIAS; AND AT JUMAT: MAX 180 KIAS. - RESTRICTIONS WERE NO LONGER REQUIRED DUE TO THE CHANGE IN MAXIMUM BANK ANGLE CRITERIA.
22. ADDED CHART SPEED ICON IN PLANVIEW: AT CULRI: MAX 210 KIAS; AT HUKAK: MAX 210 KIAS; AND AT HILOB: MAX 210 KIAS. – ATC REQUEST.
23. REMOVED CHART PLANVIEW NOTE AT WATSY/PAIDS/CITYS: (RNP 0.50). – REQUIRED NOTES MOVED TO PBN REQUIREMENTS NOTES.
24. ADDITIONAL FLIGHT DATA: DELETED “ROUTE TYPE: A, H,” “ROUTE TYPE QUALIFIER 1: F” AND “ROUTE TYPE QUALIFIER 2: S.” – NO LONGER A DOCUMENTATION REQUIREMENT.
25. REMOVED ADDITIONAL FLIGHT DATA: #TCH 449.3 (DO NOT CHART). - NO LONGER A DOCUMENTATION REQUIREMENT.
26. UPDATED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS FROM "AT WATSY ON V357 NORTHBOUND, AND ARRIVALS ON V204 NORTHBOUND" TO "AT WATSY ON V357 NORTHBOUND, AND V204 NORTHBOUND." - IAW 8260.19J 8-2-5 G.
27. UPDATED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NIALS FROM "ON V187 NORTHWEST BOUND" TO "ON V187/T317 NORTHWEST BOUND." - T ROUTE ADDED TO NIALS.

8/8/25: THIS IS AN UPDATE COPY OF THE FORM DEVELOPED ON 4/21/2025:
ADDED 10/2/2025 TO REQUIRED EFFECTIVE DATE.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZSE, PSC APP CON, PSC ATCT, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
CASIMIR L TABAKA
Aug 08, 2025

OFFICE

AJV-A432

DATE

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by
CASIMIR L TABAKA
Aug 08, 2025

OFFICE

AJV-A430

DATE

04/21/2025

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Aug 08, 2025

OFFICE

DATE

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>
PSC	RNAV (RNP) Z RWY 12	2	PASCO	WA	410	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
WATSY

TO
CULRI

RNP
1.00

DISTANCE
18.21

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>
AAO	463551.00N/1184306.00W	1503	215	8	4B	1000				AC8 AT1489	4000
TERRAIN	463351.00N/1184645.00W	1292 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
CITYS

TO
HUKAK

RNP
1.00

DISTANCE
14.73

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>
AAO	461342.00N/1184648.00W	1204	215	8	4B	1000				AC8 AT988	3200
TERRAIN	461342.00N/1184648.00W	1003 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
39
CHECKED

INITIAL

FROM

NIALS

TO

HILOB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	11.58										
<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	463554.00N/1192739.00W	1280	215	8	4B	1000				AC8 AT812	3100
TERRAIN	463554.00N/1192739.00W	1079 (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

GINLE

TO

HAAVD

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>			<u>HMAS</u>	
1.00	13.95										
<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>
WINDMILL (53-020112)	460538.80N/1190724.10W	2472	250	50	4D	1000				AC50	3600
TERRAIN	460612.00N/1190748.00W	2198 (2200)								AS1500	3700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

CULRI

TO

JUMAT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	4.05										
<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	462736.00N/1190818.00W	1132	215	8	4B	500				AC8 AT1360	3000
TERRAIN	462633.00N/1190903.00W	925 (900)								AS1000	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM

JUMAT

TO

WEDAV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.50	4.38										
<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	462421.00N/1191148.00W	1106	215	8	4B	500				AC8	1614
TERRAIN	462421.00N/1191242.00W	885 (900)								AS1000	1900

COMPUTATIONS

RF SEGMENT

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

JUMAT-WEDAV

3000

210

225.28

2589.70

24.06

2.55

19.55

0.00

0.00

(CFFML)/4.38 NM

SEGMENT REMARKS:



INTERMEDIATE

FROM

HUKAK

TO

WIDAK

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.50	3.00										
<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	462300.00N/1190851.00W	912	215	8	4B	500				AC8 AT1580	3000
TERRAIN	462236.00N/1190736.00W	682 (700)								AS1000	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM

WIDAK

TO

JUMAT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.50	3.38										
<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	462424.00N/1191127.00W	1106	215	8	4B	500				AC8 AT1386	3000
TERRAIN	462430.00N/1191203.00W	905 (900)								AS1000	1900

COMPUTATIONS

RF SEGMENT

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

WIDAK-JUMAT

3845

210

228.19

3435.13

20.01

2.55

19.38

0.00

0.00

(CFFML)/3.38 NM

SEGMENT REMARKS:



INTERMEDIATE

FROM

PAIDS

TO

YIZED

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
1.00	7.77										
<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	462145.00N/1192903.00W	1086	215	8	4B	500				AC8 AT1106	2700
TERRAIN	461918.00N/1192303.00W	718 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE STEPDOWN

FROM

YIZED

TO

WEDAV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>					<u>HMAS</u>	
0.50	3.13										
<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	462109.00N/1191233.00W	768	215	8	4B	500				AC8 AT624	1900
TERRAIN	461918.00N/1192303.00W	557 (600)								AS1000	1600

COMPUTATIONS

RF SEGMENT

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

YIZED-WEDAV

2700

250

266.98

2289.70

32.37

3.93

18.37

0.00

0.00

(CFFMW)/3.13 NM

SEGMENT REMARKS:



INTERMEDIATE

FROM

HILOB

TO

WEDAV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	7.96										
<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 (53-001001)	462411.00N/1191503.00W	1100	50	20	2C	500				AC20	1620
TERRAIN	462424.00N/1191506.00W	905 (900)								AS1000	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

HAAVD

TO

KAFKA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	3.94										
<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	461406.00N/1191918.00W	1788	215	8	4B	500				AC8	2300
TERRAIN	461406.00N/1191918.00W	1587 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE STEPDOWN

FROM

KAFKA

TO

YZED

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
1.00	9.23				

<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	461406.00N/1191918.00W	1788	215	8	4B	500				AC8 AT404	2700
TERRAIN	461533.00N/1192200.00W	1391 (1400)								AS1000	2400

COMPUTATIONS

<u>RF SEGMENT</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
KAFKA-YIZED	5008	250	276.52	4597.44	39.85	3.93	20.35	0.00	0.00			(CFFMW)/9.23 NM

SEGMENT REMARKS:

FINAL

FROM

WEDAV

TO

RW12

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.56		DA	482	

<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>
BLDG (53-023290)	461648.90N/1190901.90W	578	20	10	1B		21.50:1			AC10 MA14 XP3	883

COMPUTATIONS

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

XP3 TO MAINTAIN CURRENT MINIMUMS; 50FT REDUCTION NOT ACHIEVABLE.



FINAL

FROM

WEDAV

TO

RW12

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.11	4.56		DA		380						
<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>
BUILDING (53-133057)	461650.86N/1190844.56W	533	20	3	1A		21.54:1			AC3 MA43	781

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LEVEL SURFACE

FROM

DA

TO

CITYS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30-1.00							558				
<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>
POLE (53-133030)	461655.39N/1190928.85W	555	20	3	1A		ASC				600
AAO	461139.00N/1185039.00W	1142	215	8	4B	1000				AC8	2200
TERRAIN	461230.00N/1184806.00W	984 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LEVEL SURFACE

FROM

DA

TO

CITYS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.11-1.00											530
<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 (53-024278)	461645.35N/1190847.09W	533	50	20	2C		ASC				3000
AAO	461139.00N/1185039.00W	1142	215	8	4B	1000				AC8	2200
TERRAIN	461230.00N/1184806.00W	984 (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

MSA

CENTER

RW12

RADIUS

25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</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>
360-360	AAO	462457.00N/1193748.00W	277	22.5	3776	215	8	4B	1000			4800

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

REDUCED RNP LEVELS REQUIRED TO AVOID TERRAIN AND MEET ALTITUDE REQUIREMENTS.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZSE ARTCC, PSC APP CON, PSC TOWER

WX SERVICE ASOS	LOCATION PSC	HRS OPERATION 24	ALTIMETER SOURCE PSC	DISTANCE	WMSCR Y	ADJUSTMENTS 0
BACK-UP WX SERVICE ASOS	LOCATION HRI	HRS OPERATION 24	ALTIMETER SOURCE HRI	DISTANCE 26.85	WMSCR Y	ADJUSTMENTS 95

WX REMARKS:

REMOTE ALTIMTER NOT AUTHORIZED FOR RNP AR PROCEDURES IAW 8260.58C 4-2-1 C.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE	
RW03R	BSC-G		
RW21L	BSC-G		
RW03L - REIL, HIRL (PCL), PAPI-4L	NPI-G	ROLL OUT	
RW12 - REIL, MIRL (PCL), VASI-4L	NPI-G		
RW30 - MALSF, MIRL (PCL), PAPI-4L	NPI-G		
RW21R - MALSR (PCL), HIRL (PCL), PAPI-4L	PIR-G	APPROACH	

GLIDESLOPE ANGLE 3.00	ELEV RWY THRESHOLD 394.1	TCH 52.9	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE 3.00	TCH 52.9
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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

CRITICAL LOW -14C	CRITICAL HIGH +54C	ACT -14C	APT ISA +14.19C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 960 HIGH TEMP 1266.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	RNP 0.30, RNP 0.11
34:1	



<u>AIRPORT ID</u> PSC	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 12	<u>AMDT NO.</u> 2	<u>CITY</u> PASCO	<u>STATE</u> WA	<u>AIRPORT ELEVATION</u> 410	<u>FACILITY</u> RNAV
490 TERRAIN (53-133408) 461646.4800N/1190824.6800W (1.77)						
<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.
VDP NOT ESTABLISHED - RNP PROCEDURE.
23 FEET TREES USED PER FPT CHECKLIST.

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	3.31
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	135.68
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	500
DISTANCE FROM	THLD	TO 1500FT POINT	4.56
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	135.68
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	500

THRESHOLD COORDINATES (IF STR-IN)	461626.98N/1190744.17W
ARP COORDINATES	461553.81N/1190709.84W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 3L DISTANCE 0.80 NM
FAF COORDINATES	461942.86N/1191219.92W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR L. TABAKA (BARBARA GORMAN)	AJV-A432	04/21/2025	AERONAUTICAL INFORMATION SPECIALIST

