

RADIO FIX AND HOLDING DATA RECORD

NAME: ELWHA

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480855.11N/1234015.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
T263

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/17/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Dec 18, 2024

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ELWHA LOM

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480855.11N/1234015.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	ELWHA	CL	LOM	MH						2500	17500

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE ELWHA LOM.
ACTUAL FACILITY LOCATION IS 480900.72N/1234012.90W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WATTR	1		KCLM	PORT ANGELES	WA (US)
EN ROUTE	T263					(US)
IAP	ILS OR LOC RWY 9	1		KCLM	PORT ANGELES	WA (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 01/25/2024

REASON FOR REVISION:

1. UPDATED FIX USE FROM ILS OR LOC RWY 8 TO ILS OR LOC RWY 9.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CASEY HILL

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Dec 18, 2024

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUTUK

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 481016.02N/1234806.01W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	PORT ANGELES	I-CLM	LOC/DME	T	268.57	284.57	13.14	13.19		3800	4700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PORT ANGELES (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1		KCLM	PORT ANGELES	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: FAC 1 (PORT ANGELES), CHANGED NAVAID TYPE FROM LOC TO LOC/DME, ADDED CLASS T, ADDED DME, AND INCREASED MRA FROM 3600 TO 3800.
2. FIX MAKE-UP FACILITIES: DELETED FAC 2 (TATOOSH).
3. REMARKS: DELETED TATOOSH (FAC 2) FROM FACILITIES USED TO ESTABLISH FIX COORDINATES.
4. FIX USE: ILS OR LOC RWY 9 AT KCLM, DELETED FAC 2.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Dec 18, 2024

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIGEB STATE: WA COUNTRY: US ICAO REGION CODE: K1
 LATITUDE/LONGITUDE: 481354.19N/1230131.69W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	PENN COVE	CVV	VOR/DME	VL	247.42	266.42	12.10	12.10	5400	17500
2	VICTORIA	YYJ	VOR/DME	H	131.20	148.20	34.93	34.93	5400	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SW	CVV	VOR/DME	247.42	067.42	R	1	5400 10000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	480857.00N/1230833.00W	289	4B
1	310	AAO	480242.00N/1232303.00W	2825	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	240

HOLDING RESTRICTIONS:

PAT 1 DME REQUIRED FOR HOLDING.
 PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER CYA 102 AND/OR CHINOOK B MOA.
 HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PENN COVE (FAC 1) USED TO ESTABLISH FIX COORDINATES.
 C-I-H PAT 1 OBSTACLE LOCATED 4,309 FEET INTO SECONDARY AREA (PRI EQ 2148).
 PAT 1 REQUIRES DME FROM CVV VOR/DME TO AVOID USING CANADIAN NAVAID AND LARGER C-I-H TEMPLATE ASSOCIATED WITH INTERSECTION HOLDING.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS	1, 2		KNOW	PORT ANGELES	WA (US)
EN ROUTE	T487					(US)
IAP	ILS OR LOC RWY 9	1	1	KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) RWY 9			KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) -A			0S9	PORT TOWNSEND	WA (US)
STAR	MARNR (RNAV)			KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

- AIRSPACE DOCKET: REMOVED 23-AWP-47.
- FIX MAKE-UP FACILITIES: RENUMBERED PENN COVE (CVV VOR/DME) FROM FAC 2 TO FAC 1.
- FIX MAKE-UP FACILITIES: RENUMBERED VICTORIA (YYJ VOR/DME) FROM FAC 1 TO FAC 2.
- FIX MAKE-UP FACILITIES: DELETED FAC 3, ELWHA (CL) LOM.
- EXPANDED SERVICE VOLUME (ESV): CANCELLED ESV FOR CL LOM AND DELETED FROM THIS FORM.
- HOLDING PATTERNS: PAT 1, DECREASED MIN TEMPLATE FROM 6 TO 5 AND DECREASED MAX TEMPLATE FROM 17 TO 13.
- CONTROLLING OBSTRUCTIONS: PAT 1 200 AIRSPEED, CHANGED COORDINATES FROM 480727.00N/1230727.00W TO 480857.00N/1230833.00W, ELEVATION FROM 371 TO 289, AND ACCURACY CODE FROM 4E TO 4B.
- CONTROLLING OBSTRUCTIONS: PAT 1 310 AIRSPEED, CHANGED COORDINATES FROM 480242.00N/1232257.00W TO 480242.00N/1232303.00W, ELEVATION FROM 2809 TO 2825, AND ACCURACY CODE FROM 4E TO 4B.
- PRECIPITOUS TERRAIN ADDITIONS: ADDED PAT 1 310 SPEED.
- HOLDING RESTRICTIONS: ADDED "PAT 1 DME REQUIRED FOR HOLDING."
- MOVED "PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER CYA 102 AND/OR CHINOOK B MOA" FROM REMARKS TO HOLDING RESTRICTIONS.
- REMARKS: CHANGED "C-I-H PAT 1 OBSTACLE LOCATED 4,593 FEET INTO SECONDARY AREA (PRI EQ 2117)" TO "C-I-H PAT 1 OBSTACLE LOCATED 4,309 FEET INTO SECONDARY AREA (PRI EQ 2148)."
- FIX USE: KCLM ILS OR LOC RWY 9, CHANGED FAC 2 TO FAC 1.

QUALITY
20
CHECKED

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A422	NAME: RICHARD BRUCE
APPROVED BY:	DATE: 03/13/2025	OFFICE: AJV-A420	NAME: BEV L BORDY
SIGNATURE:			
		Digitally signed by RAKE MCGRAW Dec 18, 2024	



RADIO FIX AND HOLDING DATA RECORD

NAME: OCUVI

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480944.60N/1234502.73W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	PORT ANGELES	I-CLM	LOC/DME	T	268.57	284.57	11.03	11.08	67303	3200	4700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PORT ANGELES (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1		KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) RWY 9			KCLM	PORT ANGELES	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: FAC 1 (PORT ANGELES), CHANGED NAVAID TYPE FROM LOC TO LOC/DME, ADDED CLASS T, ADDED DME, ADDED DIST FROM FAC IN FEET, AND LOWERED MRA FROM 3500 TO 3200.
2. FIX MAKE-UP FACILITIES: DELETED FAC 2 (TATOOSH).
3. REMARKS: DELETED TATOOSH (FAC 2) FROM FACILITIES USED TO ESTABLISH FIX COORDINATES.
4. FIX USE: ILS OR LOC RWY 9 AT KCLM, DELETED FAC 2.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Dec 18, 2024

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RESSY

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480759.33N/1233452.42W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	PORT ANGELES	I-CLM	LOC/DME	T	268.57	284.57	3.99	4.04		1160	4700

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

PORT ANGELES (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1		KCLM	PORT ANGELES	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/17/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Dec 18, 2024

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SESCO

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480848.33N/1233935.67W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	PORT ANGELES	I-CLM	LOC/DME	T	268.57	284.57	7.26	7.31	44405	2300	4700

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

PORT ANGELES (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1		KCLM	PORT ANGELES	WA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/17/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

RAKE MCGRAW

Dec 18, 2024

QUALITY
20
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WATTR

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 480821.35N/1225627.97W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SEATTLE	SEA	VORTAC	VH	310.08	329.08	49.38	49.38		5400	17500
2	PENN COVE	CVV	VOR/DME	VL	215.04	234.04	10.76	10.76		5400	17500
3	FRIDAY HARBOR	FHR	NDB	MH	154.55	171.55		22.63		5400	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SEA	VORTAC	R-310	50	5400	14900

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NW		WP	307.08	127.08	R		5	5400	10000	6	16
2	NW		WP	313.08	133.08	R		5	5400	10000	6	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (53-020390)	480058.67N/1225539.05W	2337	1A
1	310	AAO	475742.00N/1230400.00W	3626	4E
2	200	TOWER (53-020390)	480058.67N/1225539.05W	2337	1A
2	310	AAO	475742.00N/1230400.00W	3626	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 9	KCLM	PORT ANGELES	WA (US)
2	RNAV (GPS) -A	OS9	PORT TOWNSEND	WA (US)

REMARKS:

SEATTLE (FAC 1) AND PENN COVE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
HOLDING PAT 1/2 OBSTACLE LOCATED 1.46 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 1473 MSL.
C-I-H PAT 1/2 OBSTACLE LOCATED 1.26 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 2811 MSL.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL DP	RAZIM (RNAV)			S31	LOPEZ	WA (US)
SPECIAL DP	LAAML (RNAV)			26WA	PORT ANGELES	WA (US)
SPECIAL DP	ROSFE (RNAV)			7WA2	PORT TOWNSEND	WA (US)
SPECIAL IAP	COPTER RNAV (GPS) 35			S31	LOPEZ	WA (US)
SPECIAL IAP	COPTER RNAV (GPS) 26			26WA	PORT ANGELES	WA (US)
SPECIAL IAP	COPTER RNAV (GPS) 17			7WA2	PORT TOWNSEND	WA (US)
DP	WATTR (RNAV)			KCLM	PORT ANGELES	WA (US)
EN ROUTE	T268					(US)
EN ROUTE	T487					(US)
IAP	NDB RWY 34	3		KFHR	FRIDAY HARBOR	WA (US)
IAP	RNAV (GPS) RWY 34			KFHR	FRIDAY HARBOR	WA (US)
IAP	RNAV (GPS) RWY 7			KOKH	OAK HARBOR	WA (US)
IAP	ILS OR LOC RWY 9			KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) RWY 27			KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) RWY 9		1	KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) -A		2	OS9	PORT TOWNSEND	WA (US)
OTHER	ZK547 (SPECIAL ROUTE)					(US)

REQUIRED CHARTING: DP, IAP, EN ROUTE LOW, SPECIAL IAP, SPECIAL DP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:



1. AIRSPACE DOCKET: DELETED 23-AWP-47.
2. FIX MAKE-UP FACILITIES: DELETED FAC 2, ELWHA (CL) LOM.
3. FIX MAKE-UP FACILITIES: RENUMBERED PREVIOUS FAC 3 AND FAC 4 TO FAC 2 AND FAC 3.
4. EXPANDED SERVICE VOLUME (ESV): CANCELLED ESV FOR CL LOM AND DELETED FROM THIS FORM.
5. HOLDING PATTERNS: DELETED PAT 1 (SEA VORTAC R-310.08).
6. HOLDING PATTERNS: RENUMBERED PREVIOUS PAT 2 AND 3 TO PAT 1 AND 2.
7. CONTROLLING OBSTRUCTIONS: DELETED PREVIOUS PAT 1 OBSTRUCTIONS.
8. CONTROLLING OBSTRUCTIONS: RENUMBERED PREVIOUS PAT 2 AND 3 OBSTRUCTIONS TO PAT 1 AND PAT 2.
9. PROCEDURES REQUIRING CLIMB-IN-HOLD: DELETED ILS OR LOC RWY 9 AT KCLM.
10. REMARKS: UPDATED "SEATTLE (FAC 1) AND PENN COVE (FAC 3) USED TO ESTABLISH FIX COORDINATES" TO "SEATTLE (FAC 1) AND PENN COVE (FAC 2) USED TO ESTABLISH FIX COORDINATES."
11. REMARKS: DELETED "HOLDING PAT 1 OBSTACLE LOCATED 1.08 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 1589 MSL."
12. REMARKS: DELETED "C-I-H PAT 1 OBSTACLE LOCATED 1.97 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 3243 MSL."
13. REMARKS: UPDATED "HOLDING PAT 2/3 OBSTACLE LOCATED 1.46 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 1473 MSL" TO "HOLDING PAT 1/2 OBSTACLE LOCATED 1.46 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 1473 MSL."
14. REMARKS: UPDATED "C-I-H PAT 2/3 OBSTACLE LOCATED 1.26 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 2811 MSL" TO "C-I-H PAT 1/2 OBSTACLE LOCATED 1.26 NM INTO SECONDARY AREA, PRIMARY EQUIVALENT 2811 MSL."
15. FIX USE: DP WATTR AT KCLM, ADDED "(RNAV)" TO USE TITLE AND DELETED FAC 1 AND FAC 2.
16. FIX USE: NDB RWY 34 AT KFHR, UPDATED FAC 4 TO FAC 3.
17. FIX USE: ILS OR LOC RWY 9 AT KCLM, DELETED "(ALT MA)" FROM USE TITLE, DELETED FAC 1 AND FAC 2, AND DELETED PAT 1.
18. FIX USE: RNAV (GPS) RWY 9 AT KCLM, UPDATED PAT 2 TO PAT 1.
19. FIX USE: RNAV (GPS)-A AT 0S9, UPDATED PAT 3 TO PAT 2.

2/20/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/4/24.

1. FIX USE: ADDED SPECIAL DP RAZIM (RNAV) AT S31.
2. FIX USE: ADDED SPECIAL IAP COPTER RNAV (GPS) 35 AT S31.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A422	NAME: RICHARD BRUCE
APPROVED BY:	DATE: 03/13/2025	OFFICE: AJV-A420	NAME: BEV L BORDY
SIGNATURE: <i>Digitally signed by</i>			
RAKE MCGRAW			
Feb 20, 2025			



RADIO FIX AND HOLDING DATA RECORD

NAME: YUCSU

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 481120.81N/1235425.64W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	PORT ANGELES	I-CLM	LOC/DME	T	268.57	284.57	17.51	17.56	4700	10000
2	TATOOSH	TOU	VORTAC	VH	080.71	102.71	29.63	29.63	4700	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-CLM	LOC/DME	R-269	25	2500	10000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	I-CLM	LOC/DME	268.57	088.57	L	1		4700	10000	6	10
2	W		WP	268.28	088.28	L		5	4700	10000	6	10
3	W		WP	255.00	075.00	L		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	480515.00N/1235533.00W	3846	4B
2	200	AAO	480515.00N/1235533.00W	3846	4B
3	200	AAO	480539.00N/1240051.00W	3678	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	240
2	200	240
3	200	240

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN
PAT 2 TERRAIN
PAT 3 TERRAIN

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER CYR 109.

REMARKS:

PORT ANGELES (FAC 1) AND TATOOSH (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PATTERNS 1-2: CONTROLLING OBSTACLE LOCATED IN THE SECONDARY (2854 PRI EQ).
PATTERN 3: CONTROLLING OBSTACLE LOCATED IN THE SECONDARY (2691 PRI EQ).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T268					(US)
IAP	ILS OR LOC RWY 9	1, 2	1	KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) RWY 27		3	KCLM	PORT ANGELES	WA (US)
IAP	RNAV (GPS) RWY 9		2	KCLM	PORT ANGELES	WA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: FAC 1 (PORT ANGELES), CHANGED NAVAID TYPE FROM LOC TO LOC/DME, ADDED CLASS T, AND ADDED DME.
2. FIX MAKE-UP FACILITIES: FAC 2 (TATOOSH), ADDED MAG BRG AND TRUE BRG.
3. EXPANDED SERVICE VOLUME (ESV): UPDATED I-CLM FAC TYPE FROM LOC TO LOC/DME, RADIAL/BEARING FROM R-263 TO R-269, DISTANCE FROM 18 TO 25 NM, AND MIN ALTITUDE FROM 4700 TO 2500.
4. HOLDING PATTERNS: PAT 1, CHANGED I-CLM NAVAID TYPE FROM LOC TO LOC/DME.
5. CONTROLLING OBSTRUCTIONS: CHANGED PAT 1 AND PAT 2 COORDINATES FROM 480515.00N/1235530.00W TO 480515.00N/1235533.00W, ELEVATION FROM 3754 TO 3846, AND ACCURACY CODE FROM 4E TO 4B.
6. PRECIPITOUS TERRAIN ADDITIONS: CHANGED PAT 1 AND PAT 2 ADDITION FROM 230 TO 240.
7. HOLDING RESTRICTIONS: ADDED "HOLDING LIMITED TO ESTABLISHED PATTERN(S)."
8. REMARKS: UPDATED "PATTERN 1-2: CONTROLLING OBSTACLE LOCATED IN THE SECONDARY (2763 PRI EQ)" TO "PATTERNS 1-2: CONTROLLING OBSTACLE LOCATED IN THE SECONDARY (2854 PRI EQ)."

QUALITY
20
CHECKED

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
RAKE MCGRAW
Dec 18, 2024

QUALITY
20
CHECKED