

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PENN COVE VOR/DME      **STATE:** WA      **COUNTRY:** US      **ICAO REGION CODE:** K1

**LATITUDE/LONGITUDE:** 481440.90N/1224327.90W      **TYPE:**

**AIRSPACE DOCKET:**      **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	PENN COVE	CVV	VOR/DME	VL							17500

**HOLDING:**      **HOLDING TYPE OF ACTION:** NO CHANGE

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S		WP	166.32	346.32	L		5	3400	10000	5	10
2	S	CVV	VOR/DME	166.32	346.32	L	1		3400	10000	4	9
3	S		WP	166.32	346.32	L		4	1800	10000	4	10
4	S	CVV	VOR/DME	166.32	346.32	L	1		1800	10000	4	9

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	480657.00N/1224954.00W	555	4E
1	310	AAO	480055.10N/1225522.80W	2360	6C
2	200	AAO	480657.00N/1224954.00W	555	4E
2	310	AAO	480055.10N/1225522.80W	2360	6C
3	200	AAO	480657.00N/1224954.00W	555	4E
4	200	AAO	480657.00N/1224954.00W	555	4E

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 AIRSPACE  
PAT 2 AIRSPACE  
PAT 3 AIRSPACE  
PAT 4 AIRSPACE

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 7	KOKH	OAK HARBOR	WA (US)
2	TAKEOFF MINIMUMS	KBVS	BURLINGTON/MOUNT VERNON	WA (US)
2	TAKEOFF MINIMUMS	OS9	PORT TOWNSEND	WA (US)

**REMARKS:**

PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-6701  
PAT 3 AND 4 FOR ATC USE (NUW APP CON) - NOT CHARTED.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 19E (2000).

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL DP	PENN COVE (RNAV)			S60	KENMORE	WA (US)
DP	TAKEOFF MINIMUMS		2	KBVS	BURLINGTON/MOUNT VERNON	WA (US)
DP	NASWI (OBSTACLE)			KNUW	OAK HARBOR	WA (US)
DP	TAKEOFF MINIMUMS		2	OS9	PORT TOWNSEND	WA (US)
DP	BANGR (RNAV)			KSEA	SEATTLE	WA (US)
EN ROUTE	V165					(US)
EN ROUTE	V287					(US)
EN ROUTE	T355				SEATTLE	(US)
IAP	RNAV (GPS) RWY 34			KORS	EASTSOUND	WA (US)
IAP	RNAV (GPS)-A			KORS	EASTSOUND	WA (US)
IAP	ILS Y OR LOC Y RWY 16R			KPAE	EVERETT	WA (US)
IAP	ILS Z OR LOC Z RWY 16R			KPAE	EVERETT	WA (US)
IAP	ILS Z RWY 16R (SA CAT II)			KPAE	EVERETT	WA (US)
IAP	RNAV (GPS) RWY 34			KFHR	FRIDAY HARBOR	WA (US)
IAP	ILS OR LOC/DME RWY 14			KNUW	OAK HARBOR	WA (US)
IAP	TACAN RWY 14			KNUW	OAK HARBOR	WA (US)
IAP	TACAN RWY 25			KNUW	OAK HARBOR	WA (US)
IAP	TACAN RWY 32			KNUW	OAK HARBOR	WA (US)
IAP	TACAN RWY 7			KNUW	OAK HARBOR	WA (US)
IAP	RNAV (GPS) RWY 7		1	KOKH	OAK HARBOR	WA (US)
IAP	ILS OR LOC RWY 9			KCLM	PORT ANGELES	WA (US)
STAR	JAWBN			KBFI	SEATTLE	WA (US)
STAR	JAWBN			KSEA	SEATTLE	WA (US)
STAR	JAWBN			KTCM	TACOMA	WA (US)

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, EN ROUTE LOW, SPECIAL DP, CONTROLLER LOW

**COMPULSORY REPORTING POINT: NO****RECORD REVISION NUMBER: 13****DATE OF REVISION: 04/17/2025****REASON FOR REVISION:**

REMOVED "DP KLSHN (RNAV) KBLI BELLINGHAM WA (US)" FROM FIX USE.

REMOVED PENN COVE DP AT KNUW OAK HARBOR, PROCEDURE NO LONGER USED BY NAS.

01/22/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/11/2024.

REMOVED "DP KIENO KBLI BELLINGHAM WA (US)" FROM FIX USE. - PROCEDURE CANCELLATION.

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

**NAME: LEO PALMER****APPROVED BY:****DATE: 03/13/2025****OFFICE: AJV-A421****NAME: DAVID DANNER****SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: WHATCOM VORTAC

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 485643.03N/1223445.32W

TYPE:

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	FEET	MRA	MAA
1	WHATCOM	HUH	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S	HUH	VORTAC	171.88	351.88	L	1		3800	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (53-000195)	485947.00N/1223857.00W	870	3C
1	310	TOWER (53-001166)	484049.67N/1225026.71W	2770	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	T/O MINS AND DP	KORS	EASTSOUND	WA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED  
ASSIGNED FACILITY MAG VAR E20/1995

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	T/O MINS AND DP		1	KORS	EASTSOUND	WA (US)
DP	KENT			KBFI	SEATTLE	WA (US)
DP	NEEDLE			KBFI	SEATTLE	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
DP	SPOKANE			KGEG	SPOKANE	WA (US)
DP	FELTS			KSFF	SPOKANE	WA (US)
EN ROUTE	J534					(US)
EN ROUTE	V165					(US)
EN ROUTE	V349					(US)
EN ROUTE	V23					WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 10/02/2025

REASON FOR REVISION:

1. PATTERNS: DELETED PATTERNS 1-3 AND ASSOCIATED OBSTRUCTIONS DATA.  
2. REASON FOR NONSTANDARD HOLDING: DELETED "PAT 3 ATC REQUEST".  
3. PROCEDURE REQUIRING CLIMB-IN-HOLD: DELETED PAT 1 RNAV (RNP) Z RWY 34 AND PAT 2 T/O MINS AND DP AT KBLI.  
4. FIX USE: DELETED RNAV (GPS) RWY 16, RNAV (GPS) RWY 34, AND RNAV (GPS)-A AT KORS.  
5. FIX USE: DELETED DP T/O MINS AND DP AT KBLI.  
6. FIX USE: DELETED ILS OR LOC RWY 16, ILS RWY 16 (SA CAT I), RNAV (GPS) Y RWY 16, RNAV (GPS) Y RWY 34, AND RNAV (RNP) Z RWY 34 AT KBLI.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: CHRISTOPHER WILKINSON

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A423

NAME: DAVID DANNER

SIGNATURE: