

RADIO FIX AND HOLDING DATA RECORD

NAME: DNHRT STATE: WA COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 483353.48N/1223647.82W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE DP	KLSHN (RNAV)			KBLI	BELLINGHAM	WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

TYPE: REMOVED INT, DME. - KEINO DP AT KBLI CANCELLED, ONLY USED ON RNAV PROCEDURE.

FIX MAKE-UP: REMOVED FAC 1, 2. - NO LONGER REQUIRED, FIX IS WP ONLY.

FIX USE: REMOVED DP KIENO AT KBLI. - PROCEDURE CANCELLATION.

REMARKS: REMOVED "PENN COVE (FAC 1) AND VANCOUVER (FAC 2) USED TO ESTABLISH FIX COORDINATES". FIX IS NOW WP ONLY

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: *Digitally signed by*
DAVID DANNER
Jan 29, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: KIENO STATE: WA COUNTRY: US ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 483943.79N/1223445.20W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KLSHN (RNAV)			KBLI	BELLINGHAM	WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

TYPE: REMOVED INT, DME. - KEINO DP AT KBLI CANCELLED, ONLY USED ON RNAV PROCEDURE.
FIX MAKE-UP: REMOVED FAC 1, 2, 3. - NO LONGER REQUIRED, FIX IS WP ONLY.
FIX USE: REMOVED DP KIENO AT KBLI. - 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: *Digitally signed by*
DAVID DANNER
Jan 29, 2025



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					(US)
IAP	RNAV (GPS) RWY 34			KORS	SEATTLE	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:***Digitally signed by***DAVID DANNER**

Jan 29, 2025

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: NO CHANGE

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: 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	NW		WP	329.00	149.00	R		4	2000	14000	4	11
2	NW	HUH	VORTAC	329.00	149.00	R	1		2000	14000	4	10
3	S		WP	170.88	350.88	L		4	2000	6000	4	6
4	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 (53-000195)	485947.00N/1223857.00W	870	3C
2	200	TOWER (53-000195)	485947.00N/1223857.00W	870	3C
2	310	TOWER (53-000195)	485947.00N/1223857.00W	870	3C
3	200	TOWER (53-000195)	485947.00N/1223857.00W	870	3C
4	200	TOWER (53-000195)	485947.00N/1223857.00W	870	3C
4	310	TOWER (53-001166)	484049.67N/1225026.71W	2770	5D

REASON FOR NONSTANDARD HOLDING:

PAT 3 ATC REQUEST
PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (RNP) Z RWY 34	KBLI	BELLINGHAM	WA (US)
2	T/O MINS AND DP	KBLI	BELLINGHAM	WA (US)
4	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		2	KBLI	BELLINGHAM	WA (US)
DP	T/O MINS AND DP		4	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)
IAP	ILS OR LOC RWY 16		2	KBLI	BELLINGHAM	WA (US)
IAP	ILS RWY 16 (SA CAT I)	1		KBLI	BELLINGHAM	WA (US)
IAP	RNAV (GPS) Y RWY 16			KBLI	BELLINGHAM	WA (US)
IAP	RNAV (GPS) Y RWY 34		1	KBLI	BELLINGHAM	WA (US)
IAP	RNAV (RNP) Z RWY 34		1	KBLI	BELLINGHAM	WA (US)
IAP	RNAV (GPS) RWY 16			KORS	EASTSOUND	WA (US)
IAP	RNAV (GPS) RWY 34		3	KORS	EASTSOUND	WA (US)
IAP	RNAV (GPS)-A			KORS	EASTSOUND	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX USE: REMOVED DP KIENO AT KBLI. - 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:

*Digitally signed by***DAVID DANNER**

Jan 29, 2025

QUALITY
5
CHECKED