

RADIO FIX AND HOLDING DATA RECORD

NAME: CORVALLIS VOR/DME **STATE:** OR **COUNTRY:** US **ICAO REGION CODE:** K1
LATITUDE/LONGITUDE: 442958.44N/1231737.18W **TYPE:**
AIRSPACE DOCKET: 23-AWP-47 **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	CORVALLIS	CVO	VOR/DME	VH						45000

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

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	SE	CVO	VOR/DME	154.00	334.00	R	1	3000 8000	4 8
2	E	CVO	VOR/DME	081.00	261.00	R	1	3400 17500	4 16
3	N	CVO	VOR/DME	356.60	176.60	R	1	4000 17500	4 16
4	SW	CVO	VOR/DME	212.37	032.37	R	1	3600 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	442506.00N/1232121.00W	1359	2C
2	200	AAO	443134.00N/1232306.00W	1239	2C
2	310	AAO	443747.87N/1232107.08W	2320	2C
3	200	AAO	443747.87N/1232107.08W	2320	2C
4	200	AAO	442524.00N/1232806.00W	2258	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
2	310	130
3	200	130
4	200	100

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TAKEOFF MINIMUMS	S12	ALBANY	OR (US)
2	TAKEOFF MINIMUMS	KCVO	CORVALLIS	OR (US)

REMARKS:

PAT 3 ATC REQUESTED.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 FACILITY MAG VAR E18 1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS		2	S12	ALBANY	OR (US)
DP	SHEDD			KCVO	CORVALLIS	OR (US)
DP	TAKEOFF MINIMUMS		2	KCVO	CORVALLIS	OR (US)
DP	EUGENE			KEUG	EUGENE	OR (US)
DP	REDMOND			KRDM	REDMOND	OR (US)
DP	SALEM			KSLE	SALEM	OR (US)
EN ROUTE	T263					(US)
EN ROUTE	V481					(US)
EN ROUTE	V495					(US)
EN ROUTE	V536					(US)
IAP	VOR-A		4	S12	ALBANY	OR (US)
IAP	ILS OR LOC RWY 17			KCVO	CORVALLIS	OR (US)
IAP	RNAV (GPS) RWY 17			KCVO	CORVALLIS	OR (US)
IAP	RNAV (GPS) RWY 35			KCVO	CORVALLIS	OR (US)
IAP	VOR RWY 17			KCVO	CORVALLIS	OR (US)
IAP	VOR-A			KCVO	CORVALLIS	OR (US)
IAP	ILS OR LOC RWY 16L		1	KEUG	EUGENE	OR (US)
IAP	ILS OR LOC RWY 16R		1	KEUG	EUGENE	OR (US)
IAP	ILS RWY 16R (CAT II-III)		1	KEUG	EUGENE	OR (US)
IAP	ILS RWY 16R (SA CAT I)		1	KEUG	EUGENE	OR (US)
IAP	RNAV (GPS) Y RWY 16L			KEUG	EUGENE	OR (US)
IAP	RNAV (GPS) Y RWY 16R			KEUG	EUGENE	OR (US)
IAP	RNAV (RNP) Z RWY 16L			KEUG	EUGENE	OR (US)
IAP	RNAV (RNP) Z RWY 16R			KEUG	EUGENE	OR (US)
IAP	ILS OR LOC Z RWY 31			KSLE	SALEM	OR (US)
IAP	LOC BC RWY 13			KSLE	SALEM	OR (US)
IAP	LOC Y RWY 31			KSLE	SALEM	OR (US)
IAP	RNAV (GPS) RWY 31			KSLE	SALEM	OR (US)

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

QUALITY
 23
 CHECKED

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 26

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET NUMBER 23-AWP-47.
2. FIX MAKE-UP FACILITIES: CHANGED FAC 1 (CVO) CLASS FROM H TO VH.
3. FIX USE: CHANGED KEUG ILS OR LOC 16L TO ILS OR LOC RWY 16L. CHANGED KEUG ILS RWY 16R (CAT II) AND (CAT III) TO SINGLE LINE ENTRY (CAT II-III).
4. FIX USE: REMOVED DP ELMAA AT KSEA AND EN ROUTE J589, CORRECTED FORMATTING AT KS12 AND KCVO FOR DP'S FROM "TAKEOFF/DEPARTURE" TO "TAKEOFF MINIMUMS".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: RICHARD CHRISTENSEN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

*Digitally signed by***ERIC N SUSKI**

Aug 12, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: ELMAA

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 470852.95N/1232434.38W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET: 23-AWP-47

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	HOQUIAM	HQM	VORTAC	H	049.05	068.05	32.66	32.66		14500	45000
2	SEATTLE	SEA	VORTAC	VH	230.40	249.40	48.12	48.12		3200	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SEA	VORTAC	R-230	49	3200	5400

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

HOQUIAM (FAC 1) USED TO ESTABLISH FIX COORDINATES.
SEA TACAN ESV: R-230, DISTANCE 49, MIN ALTITUDE 3200, MAX ALTITUDE 14900.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CBAIN (RNAV)			KBFI	SEATTLE	WA (US)
DP	NRVNA (RNAV)			KBFI	SEATTLE	WA (US)
DP	ELMAA	1, 2		KSEA	SEATTLE	WA (US)
EN ROUTE	J70	1				(US)
EN ROUTE	Q1					(US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET: 23-AWP-47 - J589 BEING REPLACED WITH Q1.
2. FIX MAKE-UP FACILITIES: REMOVED FAC 2 (YYJ) DUE TO DECOM AND ADDED 48.12 DME TO FAC 2 (SEA) FOR DME FIX MAKE-UP AND FAC 2 (SEA) CLASS CHANGED FROM H TO VH.
3. ESV: MAX ALTITUDE CHANGED FROM 14900 TO 5400.
4. REMARKS: ADDED "SEA TACAN ESV: R-230, DISTANCE 49, MIN ALTITUDE 3200, MAX ALTITUDE 14900."
5. FIX USE: REMOVED J589 DUE TO DECOM REPLACED WITH Q1 AND REMOVED FAC 2 FROM J70.

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NAME: ERIC N SUSKI

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Aug 12, 2024

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOQUIAM VORTAC

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 465649.35N/1240857.37W

TYPE:

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	HOQUIAM	HQM	VORTAC	VH						45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

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	HQM	VORTAC	240.00	060.00	R	1	1600 14000	4 10
2	SW	HQM	VORTAC	242.00	062.00	R	1	2500 14000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	465239.00N/1240648.00W	260	4E
2	200	AAO	465239.00N/1240648.00W	260	4E
2	310	AAO	464818.00N/1240412.00W	561	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS BELOW 2500 FT.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	VOR RWY 6	KHQM	HOQUIAM	WA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOQUIAM (HQM) VORTAC 1995/E19.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PAINE			KPAE	EVERETT	WA (US)
DP	YELM			KOLM	OLYMPIA	WA (US)
DP	KENT			KBFI	SEATTLE	WA (US)
DP	NEEDLE			KBFI	SEATTLE	WA (US)
DP	BANGR (RNAV)			KSEA	SEATTLE	WA (US)
DP	ELMAA			KSEA	SEATTLE	WA (US)
DP	HAROB (RNAV)			KSEA	SEATTLE	WA (US)
DP	OZWLD (RNAV)			KSEA	SEATTLE	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
EN ROUTE	CONTROL 1418					(US)
EN ROUTE	J34					(US)
EN ROUTE	J501					(US)
EN ROUTE	J70					(US)
EN ROUTE	T257					(US)
EN ROUTE	V112					(US)
EN ROUTE	V204					(US)
EN ROUTE	V27					(US)
IAP	ILS OR LOC RWY 24		1	KHQM	HOQUIAM	WA (US)
IAP	VOR RWY 6		2	KHQM	HOQUIAM	WA (US)
IAP	HI TACAN Z RWY 14			KNUW	OAK HARBOR	WA (US)
IAP	HI TACAN Z RWY 25			KNUW	OAK HARBOR	WA (US)
IAP	HI TACAN Z RWY 32			KNUW	OAK HARBOR	WA (US)
IAP	HI TACAN Z RWY 7			KNUW	OAK HARBOR	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: FAC 1 CLASS CHANGED FROM H TO VH.

INITIATED BY:

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ORGANIZATION:

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Digitally signed by
ERIC N SUSKI
Aug 12, 2024



SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PEAKK

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472107.80N/1221834.80W

TYPE: RADAR, 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	SEATTLE	SEA	VORTAC	VH	161.02	180.02	5.00	5.00		3000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ELMAA	1		KSEA	SEATTLE	WA (US)
DP	MOUNTAIN	1		KSEA	SEATTLE	WA (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: FAC 1 CLASS CHANGED FROM H TO VH.
2. REMARKS: REMOVED FIX NAME CHANGED FROM NICHY TO PEAKK - CHANGED ON PREVIOUS REVISION.

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NAME:

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AJV-A431

NAME: RICHARD CHRISTENSEN

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

Digitally signed by

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Aug 12, 2024

SIGNATURE:

