

RADIO FIX AND HOLDING DATA RECORD

NAME: CSMOS

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 594034.90N/1432931.48W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
Q801

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

09/03/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/23/24.

1. STATE: CHANGED FROM AK TO OP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Sep 04, 2024

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ECTOF

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 441049.55N/1231857.87W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
Q1
Q801

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Sep 04, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: EEVER

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 543501.79N/1330554.23W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 23-AAL-28

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	SANDSPIT	YZP	VOR/DME		311.73	330.73	92.21	92.21		12000	45000
2	ANNETTE ISLAND	ANN	VOR/DME	H	221.12	242.12		60.03		12000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ANN	VOR/DME	R-221	61	12000	14700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SANDSPIT (FAC 1) AND ANNETTE ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES.
FIX EEVER PLACED ON U.S. BORDER BOUNDARY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J501	1, 2				(US)
EN ROUTE	Q801					(US)
EN ROUTE	T719					(US)
EN ROUTE	V440	1, 2				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 21-AAL-40 TO 23-AAL-28.
FIX USE: ADDED Q801.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Sep 04, 2024

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FELIX

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 431913.98N/1230539.51W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
Q3
Q801

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Sep 04, 2024

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARPR

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 422850.00N/1225301.54W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
EN ROUTE
EN ROUTE

USE TITLE
BERNI (RNAV)
Q5
Q801

FAC

PAT

AIRPORT IDENT
KHIO

CITY
PORTLAND

STATE
OR (US)
(US)
(US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AAL-28.
FIX USE: ADDED Q801.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Sep 04, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: MACIE

STATE: OP

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 574338.87N/1375047.74W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
Q801

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

09/03/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/23/24.

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INITIATED BY:

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NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

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ALLAN WILL

Sep 04, 2024

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TATOOSH VORTAC

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 481759.64N/1243737.36W

TYPE:

AIRSPACE DOCKET: 23-AAL-28

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	TATOOSH	TOU	VORTAC	VH							45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PORTLAND			KPDX	PORTLAND	OR (US)
DP	YELM			KOLM	OLYMPIA	WA (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
EN ROUTE	J501					(US)
EN ROUTE	J523					(US)
EN ROUTE	J54					(US)
EN ROUTE	Q801					(US)
EN ROUTE	T257					(US)
EN ROUTE	T268					(US)
EN ROUTE	V4					(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	MARNR (RNAV)			KSEA	SEATTLE	WA (US)
STAR	ARRIE			KTCM	TACOMA	WA (US)
STAR	JAWBN			KTCM	TACOMA	WA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AAL-28.
FIX USE: ADDED Q801.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Sep 04, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: WAPTO

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472819.54N/1241350.38W

TYPE: WP, DME

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	TATOOSH	TOU	VORTAC	VH	140.00	162.00	52.21	52.21		18000	45000
2	HOQUIAM	HQM	VORTAC	VH	335.00	354.00	31.69	31.69		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

TATOOSH (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J501	1, 2				(US)
EN ROUTE	Q801					(US)
EN ROUTE	T257					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 16-AWP-01 TO 23-AAL-28.

FIX MAKE-UP FACILITIES: CHANGED FAC 1 (TOU) AND FAC 2 (HQM) CLASS FROM H TO VH.

REMARKS: REMOVED CHART IN BLUE ON EN ROUTE LOW AS WP ONLY - CHARTING WILL NOT/DID NOT COMPLY. ADDED FIX COORDINATES REMARK.

FIX USE: ADDED Q801.

REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Sep 04, 2024

QUALITY
25
CHECKED